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BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations. Volume 3. Appendix H, Source Codes 4 to 6

PEI Associates, Inc., Cincinnati, OH

Prepared for:

Environmental Protection Agency, Research Triangle Park, NC

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Office of Air Quality
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Research Triangle Park, NC 27711

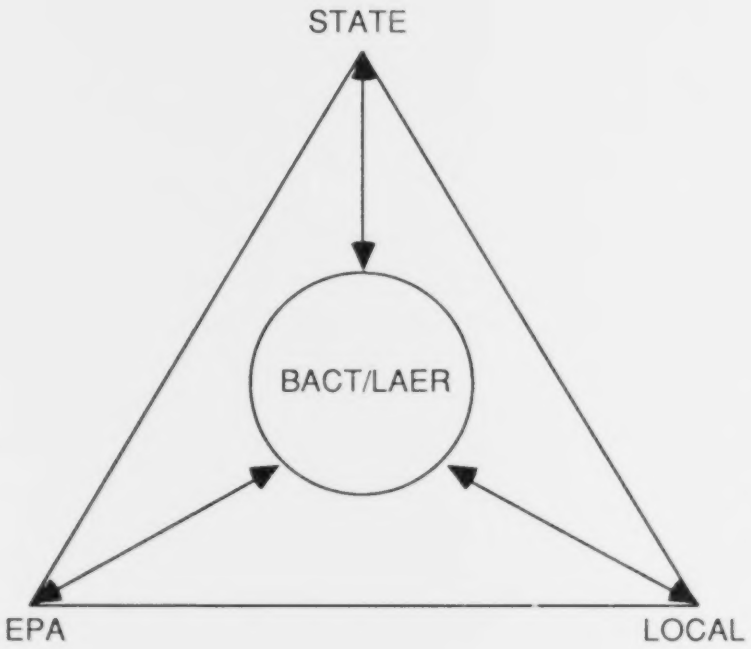
EPA 450/3-90-015c
July 1990

Air

BACT/LAER CLEARINGHOUSE:

A COMPILATION OF CONTROL TECHNOLOGY DETERMINATIONS

Volume III - Appendix H, Source Codes 4 to 6



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16. ABSTRACT

The Clean Air Act as amended in 1977 prescribes several technology-based limitations affecting new or modified air pollution sources: 1) new source performance standards (NSPS); 2) best available control technology (BACT); and 3) lowest achievable emission rate (LAER).

The basic purposes of the BACT/LAER Clearinghouse are to: 1) provide State and local air pollution control agencies with current information on case-by-case control technology determinations that are made nationwide and 2) promote communication, cooperation, and sharing of control technology information among the permitting agencies. The information presented in this compilation was abstracted from preconstruction permits and submitted voluntarily by the State and local air pollution control agencies. The Clearinghouse is intended as a reference for State and local agencies in making BACT/LAER decisions.

Since the 1985 BLC document was published in June of that year, annual supplements containing only those determinations inserted or revised during the previous 12 months were published. A master edition containing all new/revised determinations completed during the past 5 years was planned to be published every 5 years. This report is the 5 year compilation containing all determinations inserted or updated since June 1985.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Best Available Control Technology Lowest Achievable Emission Rate Control Technology Determinations New Source Review	Air Pollution Control	

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BACT/LAER CLEARINGHOUSE: A COMPILATION OF CONTROL TECHNOLOGY DETERMINATIONS

Prepared by

Emission Standards Division

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF AIR QUALITY PLANNING AND STANDARDS
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

July 1990

DISCLAIMER

This report was prepared by PEI Associates, Inc., Cincinnati, Ohio, under Contract No. 68-02-4394, Work Assignment No. 46. It has been reviewed by the Emission Standards Division of the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency. Mention of trade names or commercial products is not intended to constitute endorsement or recommendation for use. Copies of this report are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161, telephone (703) 487-4650.

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Source codes 4-7 H-376

VOLUME IV

H. Detailed source listings for new determinations (continued)
Source codes 8-12 H-949

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The computerized information listings contained in this report were prepared for the BACT/LAER Clearinghouse by PEI Associates, Inc., Cincinnati, Ohio. Mr. David Dunbar served as the Project Director, and Mr. Joe Steigerwald was the Project Manager. Mr. Bob Blaszczak was the EPA Technical Representative.

The project would not have been possible without the excellent cooperation of the many State and local air pollution control agencies and EPA Regional Offices who submitted the necessary technical information.

Special thanks are given to Mr. William Becker, Executive Secretary for STAPPA and ALAPCO, Mr. John Paul from the Regional Air Pollution Control Agency in Dayton, Ohio, representing ALAPCO, Robert H. Collom from the Georgia Department of Natural Resources representing STAPPA, and other State, local, and EPA Regional Office representatives that have provided recommendations, guidance, and overall support for the BACT/LAER Clearinghouse effort over the past several years.

APPENDIX H

DETAILED SOURCE LISTINGS FOR NEW DETERMINATIONS

SOURCE CODES 4-7

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS 68.90 GAL/H

COMPANY NAME/SITE LOCATION: ALUMINUM BEVERAGE CAN , VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 60065
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
(804)-786-0172 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/05/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER, BASE, BASECOAT	48.10 GAL/H	VOC	0.2900 KG/L OF COATING SOLIDS WATER-BASED COATINGS	
COATER, BASE, OVER VARNISH	33.20 GAL/H	VOC	0.4600 KG/L OF COATING SOLIDS WATER-BASED COATINGS	
COATER, BASE, INTERNAL COAT	65.90 GAL/H	VOC	0.8900 KG/L OF COATING SOLIDS WATER-BASED COATINGS	

NOTES --------
SOURCE OPERATES A 4-LINE, 2 PIECE ALUMINUM BEVERAGE CAN, BODY ONLY, FACILITY. PERMIT PARAMETERS DESCRIBE PROCESS ON EACH LINE. MODIFICATION CONSISTS OF ALTERING IN FEED CONVEYOR SYSTEMS INTEGRAL TO THESE PROCESSES, RESULTING IN A NET POSSIBLE INCREASE OF VOC EMISSION OF 20-25 T/YR. PERMIT APPLICATIN CONTAINS DETAILED BACT ANALYSIS. NSPS 40 CFR PART 60 SUBPART MM BEVERAGE CAN SURFACE COATING INDUSTRY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION: ALUMINUM CO. OF AMERICA
HARRICK OPERATIONS
NEWBURGH, IN
HARRICK COUNTY

DETERMINATION IS
PERMIT NO. PSD (86) 1623
DETERMINATION MADE BY INDIANA DEM (AGENCY)
D. ZELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/17/86
ESTIMATED DATE OF START-UP-- 1987
(317)-232-8456 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, COIL, #2	300.00 GAL/H	VOC	0.3100 KG/L CTG APPLIED - H2O		S/B
			440.0000 T/12 MON.	INCINERATOR	93.00
				LIMIT - 10% VOC APPLIED REMOVAL	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION: CONTINENTAL CAN CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 30129
DETERMINATION MADE BY BAY AREA AQMD (AGENCY)
JUDY CUTINO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/15/85
ESTIMATED DATE OF START-UP--
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN, BAKE	1000.00 CANS/MIN/LI*	VOC	26.0000 T/YR	DIRECT FLAME AFTERBURNER FUG. EMIS. COLLECTED FROM INSIDE OVENS	95.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS — 1300.00 MM CANS/YR

COMPANY NAME/SITE LOCATION: CONTINENTAL CAN CO. — CINCINNATI, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 14-823
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
JIM SADELFELD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1984
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING APPLICATOR, OVER VARNISH	826.00 MM CAN/YR	VOC	0.3400 KG/L SOLIDS 2.1100 LB/GAL MINUS H2O	BACT
COATING APPLICATOR, INSIDE SPRAY	826.00 MM CAN/YR	VOC	0.8800 KG/L SOLIDS 3.6200 LB/GAL MINUS H2O	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1986

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION: CROWN CORK & SEAL CO., INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 30862
DETERMINATION MADE BY BAY AREA AQMD (AGENCY)
J. CUTINO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/31/85
ESTIMATED DATE OF START-UP-- 1986
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CAN LINE, AL, 2 EA	810.00 CANS/MIN	VOC	24.0000 T/YR THERMAL INCINERATION	95.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE SURFACE COATING - CANS/COILS 17.00 GAL/H

COMPANY NAME/SITE LOCATION DOUGLAS CALL CO. VIRGINIA BEACH, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 61046
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

JACK SCHUBERT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/21/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, 4	17.00 GAL/H	VOC	69.0000 LB/H 71.2000 T/YR	OPERATING LIMIT	
		PM		FILTERS/WATER CURTAINS	
		N-B*	19.1000 LB/H 19.9000 T/YR	SEE NOTE #2 OPERATING LIMIT	

NOTES --------
NOTE 1 - TO SUBSTITUTE COATINGS TYPE BEING APPLIED. NOTE 2 - N-BUTYL ALCOHOL, NON-CRITERIA POLLUTANT, IS INCLUDED IN THE TOTAL VOC.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS — 1051.00 MM CAN/YR

COMPANY NAME/SITE LOCATION: HEEKIN CAN — CINCINNATI, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 14-946
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
JIM SADELFELD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/10/86
ESTIMATED DATE OF START-UP-- 1986
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LINERS, END SEAL COMPOUND, 2	674.00 MM CAN ENDS*	VOC	4.2000 LB/GAL MINUS H2O 77.8000 T/YR	BACT

NOTES --------
MODIFICATION TO EXISTING FACILITY "NETTED OUT" OF FED. OFFSET POLICY, LAER. PLANT USES 37044. GAL/YR

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1986

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS — 1051.00 MMCANS/YR

COMPANY NAME/SITE LOCATION: HEEKIN CAN, INC., 8200 BROADWELL RD. — CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1403
DETERMINATION MADE BY SOUTHWESTERN OHIO APCA (AGENCY)
RUDOLF ZOLG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/27/87
ESTIMATED DATE OF START-UP-- 1987
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
APPLICATOR, SIDE SEAM STRIPE	210.00 MMCAN BODIES	VOC	5.3000 LB/GAL MINUS H2O 14.3500 T/YR	LOW SOLVENT COATINGS	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS — 1051.00 MMCANS/YR

COMPANY NAME/SITE LOCATION: HEEKIN CAN, INC. 8200 BROADWELL RD. — CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1464
DETERMINATION MADE BY SOUTHWESTERN OHIO APCA (AGENCY)
JIM SADELFELD (AGENCY CONTACT PERSON)
(513)-251-8777 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/21/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
APPLICATOR, COATER, END SEAL	50.00 MMCAN ENDS/*	VOC	3.7000 LB/GAL MINUS H2O LOW SOLVENT COATINGS	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION: MARIN PRODUCTS, 685 MIDDLE ST. BRISTOL, CT

DETERMINATION IS BACT
PERMIT NO. 026-0032
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ERNEST BOUFFARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/08/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR	266.00 T/YR	VOC	39.9000 T/YR	CATALYTIC INCINERATOR	85.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS

COMPANY NAME/SITE LOCATION: METAL CONTAINER CORP. NEWBURGH, NY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NEW YORK STATE DEC (AGENCY)

JAMES HARRINGTON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/30/87
ESTIMATED DATE OF START-UP-- 1989
(518)-457-2044 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
COATING, CANS, EXT. BASECOAT	1600.00 CANS/MIN	VOC	1.8000 LB/GAL HIGH SOLIDS COATING
COATING, CANS, OVERVARNISH	1600.00 CANS/MIN	VOC	2.1000 LB/GAL HIGH SOLIDS COATING
COATING, CANS, INTERIOR BODY SP*	1600.00 CANS/MIN	VOC	3.6000 LB/GAL HIGH SOLIDS COATING
COATING, CANS, BOTTOM VARNISH	1600.00 CANS/MIN	VOC	2.1000 LB/GAL HIGH SOLIDS COATING

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: SURFACE COATING - CANS/COILS — 500.00 MM CAN ENDS/YR

COMPANY NAME/SITE LOCATION: STAR KIST SAMOA, INC. — ISLAND OF TUTUILA, AS

DETERMINATION IS
PERMIT NO. NSR 4-13, AS 86-01
DETERMINATION MADE BY EPA REGION IX
(AGENCY)

TOM ANDREWS
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/19/87
ESTIMATED DATE OF START-UP-- 1988
(415)-974-7658
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SEALING COMPOUND, END		VOC	51.5000 LB/H	LOW SOLVENT COATING	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/20/1987

ID NUMBER AS-0002

SOURCE TYPE CODE 4.1

SOURCE TYPE/SIZE SURFACE COATING - CANS/COILS 14.55 MMBTU/H

COMPANY NAME/SITE LOCATION STUART FLOORING CORP. , VA PATRICK COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30185
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/25/88
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOODWASTE	14.55 MMBTU/H	PM	0.3000 LB/MMBTU 4.3700 LB/H MULTICYCLONE	90.00

NOTES --------
CONSTRUCTION OF A WOODWASTE BOILER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: APLIX, INC. 12300 STEELE CREEK ROAD — CHARLOTTE, NC

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 89-051-063
DETERMINATION MADE BY MECKLENBURG COUNTY DEP (AGENCY) — CAROL MOSER (AGENCY CONTACT PERSON) — (704)-376-4603 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/31/89
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, SPECIAL	110.00 T/YR	VOC	92.0000 % OVERALL CONTROL	LAER
			8.7700 T/YR	
			THERMAL INCINERATION	92.00

NOTES --------
100% CAPTURE EFFICIENCY THROUGH TOTAL ENCLOSURE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: ARMSTRONG WORLD INDUSTRIES, INC. LANCASTER, PA

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 36-318-134
DETERMINATION MADE BY PENNSYLVANIA BAQC (AGENCY)

DATE OF PERMIT ISSUANCE-- 04/28/89
ESTIMATED DATE OF START-UP-- 1989

RONALD DAVIS (AGENCY CONTACT PERSON)
(717)-657-4587 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER	47.90 GAL/H	VOC	SEE NOTES THERMAL INCINERATOR	LAER 98.00

NOTES --------
POLYPROPLENE RELEASE PAPER IS BEING COATED WITH VINYL COATING WITH A VOC CONTENT OF 5.7 LB/GAL. THE COATER & THE OVEN ARE CONT
ROLLED BY A 7000 SCFM WOLVERINE INCINERATOR. THE CAPTURE EFFICIENCY & THE CONTROL EFFICIENCIES ARE 100%
& 98% RESPECTIVELY. THE CAPTURE SYSTEM MEETS OR EXCEEDS EPA CRITERIA.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: B & H PLASTICS, INC. , MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 577-89
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
LINDA DAVIS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7091 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. COATING, PAPER, PLASTISOL	15.00 YD/MIN	VOC	17.0000 LB/T PLASTISOL APPLIED	AFTERBURNER	BACT 95.00

NOTES --------
SUBJECT TO STATE OF MICHIGAN BACT DETERMINATION, NOT FEDERAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: BOF - TESA CORP — SPARTA, MI

DETERMINATION IS
PERMIT NO. 616-81A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/01/88
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER/COATER	100.00 METER/MIN	VOC	0.0200 KG/KG COATING APPLIED	INCINERATION CONDENSATION	LAER 99.00

NOTES ---------
THE CONDENSER & INCINERATOR ARE PARALLEL SYSTEMS. ONE PRIMER IS WATER BASED, EMISSIONS AFTER CONTROL, COND., EQUAL 2.45 E-05 K G VOC PER KG SOLIDS APPLIED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: CONTAINER CORP. OF AMERICA , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 30834
DETERMINATION MADE BY BAY AREA AQMD (AGENCY)
JOE SLAMOVICH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/02/86
ESTIMATED DATE OF START-UP-- 1986
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING LINE, ROTOGRAVURE, 2	770.00 FT/MIN	VOC	73.6000 T/YR	LOW SOLVENT COATING	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: CURRENT, INC. 30 TYLER ST — EAST HAVEN, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 054-0010
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/29/88
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN, 4 ZONE	450.00 LB/H METHAN*	PM	0.0050 LB/MMBTU		
		SOX	0.0010 LB/MMBTU		
		NOX	0.1000 LB/MMBTU		
		VOC	5.0280 LB/H	THERMAL OXIDIZER	95.00
		CO	0.0200 LB/MMBTU		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS — 16000.00 LB/H

COMPANY NAME/SITE LOCATION: DIVERSITECH GENERAL — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-406
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, PLASTISOL	16000.00 LB/H	PM	NOT APPLICABLE	SIP
			INCINERATOR	95.00
		VOC	NOT APPLICABLE	SIP
			INCINERATOR	95.00
			MAX 0.11 LB VOC/GAL COATING LESS WATER	SIP
		SO2	NOT APPLICABLE	
			INCINERATOR & TRIM/BOOSTER BURNERS	
			USE OF NAT GAS/#2 OIL	

NOTES --------
AUTOMATIC BAG OPENERS ASSOCIATED WITH THIS PROCESS ARE CONTROLLED BY FABRIC FILTERS. NO VISIBLE EMISSIONS ARE ALLOWED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: FLEXCON, 32 COMMERCE DR., NORTH BRANFORD, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 133-0007
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
JOLENE CRANE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/24/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. APPLICATION, COATING LINE*	0.76 LB/H SOLVEN*	VOC	0.7600 LB/H 1.8900 T/YR	THERMAL OXIDATION	97.00

NOTES --------
NSPS 40 CFR PART 60 SUBPARTS RR - PRESSURE SENSITIVE TAPE & LABEL COATING & FFF - FLEXIBLE VINYL & URETHANE COATING. THROUGHPUT REPRESENTS VOC EMISSIONS AFTER THERMAL OXIDATION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: FLEXCON CO., INC., 32 COMMERCE DR., NORTH BRANFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 133-0010
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
JOLENE CRANE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/12/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, #3	0.69 LB/H SOLVENT				
		VOC	0.6900 LB/H 1.7200 T/YR	THERMAL OXIDATION	97.00

NOTES --------
NSPS 40 CFR PART 60 SUBPARTS RR - PRESSURE SENSITIVE TAPE & LABEL COATING & FFF - FLEXIBLE VINYL & URETHANE COATING. THROUGHPUT REPRESENTS VOC EMISSIONS AFTER THERMAL OXIDATION. THIS COATING LINE CONTROLLED BY THE SAME INCINERATOR AS PERMIT 133-0007, PRESSURE SENSITIVE COATING LINE #1.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: FORD MOTOR CO., CHESTERFIELD PLANT — MT. CLEMENS, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 286-89
DETERMINATION MADE BY MICHIGAN DNR AQD (AGENCY) — GREGORY EDWARDS (AGENCY CONTACT PERSON) — (517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/01/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BONDING, ADHESIVE APPL.	100.00 PARTS/H	VOC	5.8000 LB/GAL	BACT

NOTES --------
PROCESS TO BOND FABRIC TO URETHANE FOAM SEAT CUSHION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: FRISMAR, INC., 1 HERITAGE PARK RD, CLINTON, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 037-0007
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/18/88
ESTIMATED DATE OF START-UP-- 1983
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER, ROLL & DRYER, KCA	38.25 LB/H	PM	0.0020 LB/H		
		SOX	2.3000 E-4 LB/H		
		NOX	0.0380 LB/H		
		VOC	38.2500 LB/H		
		CO	0.0080 LB/H		

NOTES --------
LIMITING VOC EMISSIONS TO 38.25 LB/H, 918 LB/D, 2.833 T/MONTH, & 34 T/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: FRISMAR, INC.
1 HERITAGE PARK RD
CLINTON, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 037-0008
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/18/88
ESTIMATED DATE OF START-UP-- 1984
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER, ROLL & DRYER, KCA	1705.00 LB/H	PM	0.0140 LB/H		
		SOX	0.5040 LB/H		
		NOX	0.1400 LB/H		
		VOC	11.9360 LB/H	SOLVENT RECOVERY	93.00
		CO	0.0350 LB/H		
		PB	2.9000 E-6 LB/H		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: H. P. SMITH — IOWA CITY, IA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/03/85
ESTIMATED DATE OF START-UP--
(913)-551-7020 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER, "RELEASE", 2 LINES		VOC	0.2000 KG/KG COATING SOLIDS 90.0000 PERCENT	THERMAL INCINERATOR	BACT
COATING LINE, POLYETHYLENE		VOC		100% SOLIDS PE	BACT
PRINTING PRESS, FLEXOGRAPHIC		VOC		WATER-BASED INKS	BACT
COMBUSTION UNITS (15)		VOC		NATURAL GAS ONLY	BACT

NOTES --------
FOR PRODUCTION OF "RELEASE" PAPER USED IN THE TAPES/LABEL INDUST. UPDATE- THE 2ND COATING LINE HAS NOT BEEN INSTALLED, AS OF 7/27/87

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: JAMES RIVER, H.P. SMITH DIVISION — IOWA CITY, IA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
(913)-551-7020 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/17/88
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER		VOC	0.2000 KG/KG OF COATING SOILDS, MONTHLY AVG	SEE NOTES LOW SOLVENT/HIGH SOLIDS	BACT 98.00
COMBUSTION UNITS		VOC		NATURAL GAS FIRING ONLY	BACT

NOTES --------
FOR PRODUCTION OF "RELEASE" PAPER USED IN TAPES/LABEL INDUSTRY , SEE IA-0021. SECOND COATING LINE WAS REAPPROVED ON 11/17/88.
COATER VOC LIMIT IS EITHER AS INDICATED OR TOTAL ENCLOSURE & THERMAL INCINERATOR AT
98% EFFICIENCY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: L & CP CORP. TROY, OH

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 08-1416
DETERMINATION MADE BY OHIO EPA (AGENCY) T. WILSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/07/88
ESTIMATED DATE OF START-UP-- 1989
(513)-225-4435 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. APPLIC., PAPER COATING LI*		VOC	1.0000 LB/GAL MINUS H2O, AFTER CONTROL CARBON ADSORPTION OR THERMAL OXIDATION	LAER 78.00

NOTES --------
DESIGN CAPACITY IS 6160 LB/H COATED/ H, MAXIMUM. VOC ALLOWABLE EMISSION RATES - 72.2 LB/H, 77.9 T/YR

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION LAM-A-SHIELD, INC. 90 LOUISA VIENS DR DAYVILLE, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 089-0043
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)

SUSAN AMARELLO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/27/88
ESTIMATED DATE OF START-UP-- 1990
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER LAMINATOR	14.00 REAMS/H	VOC	32.8600 LB/H SEE NOTES		

NOTES --------
MAXIMUM 1.931 LB VOC PER GALLON OF COATING & MAXIMUM OPERATING HOURS OF 4160 HOURS/YEAR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS — 1260.00 HIDES/H

COMPANY NAME/SITE LOCATION: LOEHENGART & CO., INC. — MERCERSBURG BOROUGH, PA, FRANKLIN COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 28-318-018 & 019
DETERMINATION MADE BY PENNSYLVANIA BAQC (AGENCY)
RICHARD ROLLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/29/89
ESTIMATED DATE OF START-UP-- 1989
(717)-657-4587 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, LEATHER, LINE A	420.00 HIDES/H				
		VOC	35.0000 T/YR, LINE A & B,COMBINED	THERMAL OXIDIZER, REGENERATIVE	LAER 95.00
COATING, LEATHER, LINE B	420.00 HIDES/H				
		VOC		SEE LINE A DATA	
COATING, LEATHER, LINE C	420.00 HIDES/H				
		VOC	20.0000 T/YR	WATER BASED COATINGS	LAER

NOTES --------
LINE A IS 2 SPRAY BOOTHS IN SERIES, COATING IS SOLVENT BASED TOPCOAT, 100% CAPTURE EFF. LINE B IS A SINGLE SPRAY BOOTH, COATIN G IS SOLVENT BASED TOPCOAT, 100% CAPTURE EFF. LINE C IS SNAB BOOTH & SPRAY BOOTH FOR WATER BASED BASE COAT & 2ND SPRAY BOOTH FOR H2O BASED INTERMEDIATE COAT. VOC CONTENT OF H2O BASED INTERMEDIATE & BASE COAT IS 2.81 & 0.14 LB VOC/GAL , LESS H2O. ALL BOOTHS INCLUDE ASSOC. DRYING OVENS. AIR ASSISTED AIRLESS SPRAY GUNS WERE EMPLOYED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: MINNESOTA, MINING, & MANUFACTURING CO. CYNTHIANA, KY

DETERMINATION IS
PERMIT NO. C-89-052
DETERMINATION MADE BY KENTUCKY DAQ
(AGENCY)

GIRISH KOTHARI
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/25/89
ESTIMATED DATE OF START-UP-- 1989
(502)-564-3382
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN, LAB APPLICATOR		VOC	9.2000 LB/H 40.3000 T/YR	INCINERATOR	BACT 98.00
SILL DUCT, LAB		VOC	39.9200 LB/H 174.8500 T/YR		BACT
STORAGE TANK, LAB, 2		VOC	0.4200 T/YR		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION PEACEDALE PROCESSING , RI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 734
DETERMINATION MADE BY RHODE ISLAND DAHM (AGENCY)
DOUG MCVAY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/21/85
ESTIMATED DATE OF START-UP-- 1986
(401)-277-2808 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER/LAMINATOR, FABRIC		VOC		AFTERBURNER	LAER 92.00

NOTES --------
SYSTEM EFFICIENCY OF 92% REPRESENTS 95% CAPTURE & 97% DESTRUCTION. AFTERBURNER HAS RETROFITTED TO EXISTING COATER/LAMINATOR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: PERVEL INDUSTRIES, COMMUNITY AVE., PLAINFIELD, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 145-0013 & 16
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)

MARK HULTMAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/22/88
ESTIMATED DATE OF START-UP-- 1985
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER, VINYL	66.00 LB/H	EXE*	66.0000 LB/H	TOTAL HC REFORMULATED	87.15
		VOC	6.5000 LB/H		
COATER, VINYL	140.00 LB/H	EXE*	140.0000 LB/H	TOTAL HC REFORMULATED	87.15
		VOC	13.9000 LB/H		

NOTES --------
FOR THE 66 LB/H COATER - SOURCE REFORMULATED WITH EXEMPT SOLVENT. 198 T/YR TOTAL HYDROCARBONS & 19.7 T/YR OF VOC WITH LIMITS O
N DAILY & ANNUAL OPER. HRS IS BACT FOR THIS SOURCE. THE CORRESPONDING NUMBERS ON THE 140 LB/H COATER - 398.7 & 39.7

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: PHOMAT REPROGRAPHICS — MADISON HTS, MI

DETERMINATION IS BACT
PERMIT NO. 37-89
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

CHRISTOPHER STOCK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/09/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAPER MACHINE, 2 EA	12.50 GAL/H	VOC	0.3500 LB/GAL H2O	INCINERATOR	BACT 94.00

NOTES --------
99% CAPTURE EFFICIENCY, 95% DESTRUCTION EFFICIENCY

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: PRINTPACK, INC. — VILLA RICA, GA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2751-022-9820
DETERMINATION MADE BY GEORGIA EPD (AGENCY) — JOHN YNTEMA (AGENCY CONTACT PERSON) — (404)-656-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/02/89
ESTIMATED DATE OF START-UP-- 1991

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LAMINATOR, EXTRUSION, 2 EA		VOC	4.2000 LB/GAL SOLIDS 39.0000 T/12 MONTH ROLL AVG	BACT
PRESS, FLEXOGRAPHIC, 8 COLOR, 2*		VOC	INCINERATOR	BACT 80.75
PRESS, FLEXOGRAPHIC, 8 COLOR, 5*		VOC	INCINERATOR	BACT 90.25

NOTES ---------
EXTRUDATE SOLIDS ARE AVERAGED WITH PRECOAT & ADHESIVE STRIP COAT TO COMPLY WITH LIMITS. EXTRUDATE SOLIDS ARE ATTRIBUTED 1.5 LB /REAM, WHICH IS THE COMPANY AVERAGE FOR SOLIDS DEPOSITION IN NORMAL LAMINATION. BACT NEAR OZONE NON-ATTAINMENT AREA. THE PLANTWIDE VOC EMISSION CAP IS 325 T/12 MONTHS. 90.25% EFFICIENCY REQUIRES AT LEAST 95% D.E.,80.75% EFFICIENCY REQUIRES AT LEAST 95% D.E. & 85% CAPTURE EFFICIENCY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: SOMERVILLE PACKAGING — NEWPORT NEWS, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 60913
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/09/89
ESTIMATED DATE OF START-UP--
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, ROTOGRAVURE, 2		VOC	45.6000 LB/H 200.0000 T/YR	CARBON ADSORPTION SYSTEM	80.00
		ISO*	325.9000 LB/D	PERMIT LIMIT	
		NPA	81.4000 LB/D	PERMIT LIMITS	
		TOL*	138.0000 LB/D	PERMIT LIMITS	
		ETH*	312.4000 LB/D	PERMIT LIMITS	
		CAR*	8.9000 LB/D	PERMIT LIMITS	
		MIN*	1.1000 LB/D	PERMIT LIMITS	
		ISO*	62.6000 LB/D	PERMIT LIMITS	
		ETH*	30.5000 LB/D	PERMIT LIMITS	
		HEX*	108.4000 LB/D	PERMIT LIMITS	
		MET*	1.2000 LB/D	PERMIT LIMITS	
		DIB*	0.1000 LB/D	PERMIT LIMITS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

(CONTINUED) SOMERVILLE PACKAGING

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CARBON ADSORPTION, PER PRESS		VOC	2.8000 LB/H	PERMIT LIMITS	
MATL. APPLICATION, COATING MACH*		VOC	47.5000 LB/H		
			24.0000 LB/D	CARBON ADSORPTION RECOVERY SYSTEM	80.00
		TOL*	725.5000 LB/D		
		NAP*	213.3000 LB/D		
		ISO*	203.4000 LB/D		
		ETH*	142.5000 LB/D		

NOTES --------
TO CONSTRUCT TWO PACKAGING ROTOGRAVURE PRINTING PRESSES & A COATING MACHINE. CEM SYSTEM INSTALLED TO MEASURE & RECORD THE CONC
ENTRATION OF VOC IN THE INLET & EXHAUST OF THE CARBON ADSORPTION /RECOVERY SYSTEM.
EXISTING PLANT EMISSIONS ARE INCLUDED IN THE TOTAL VOC EMISSIONS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: STECHER-TRAUNG-SCHMIDT , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 30733
DETERMINATION MADE BY BAY AREA AQMD (AGENCY)
E. LINDER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/05/85
ESTIMATED DATE OF START-UP-- 1985
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, 6 COLOR LITHOGR*		VOC	15.0000 % VOC IN FOUNTAIN SOL. 272.0000 LB/D	REFRIGERATION & ALCOHOL RECLAIM	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: STOREYS TRANSPRINTING, INC. HARRISONBURG, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 20926
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/01/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING LINES, ROTOGRAVURE, 4		VOC	283.0000 LB/H 300.0000 T/YR	INCINERATOR	
		ETH*	3945.0000 LB/D		
		MEK	2491.0000 LB/D		
		TOL*	1195.0000 LB/D		
		MIBK	113.0000 LB/D		
		ACE*		EXEMPTED	

NOTES --------
TO INSTALL TWO ROTOGRAVURE PRINTING LINES RELOCATED FROM COLONIAL HEIGHTS. NEW EMISSIONS FROM TWO NEW LINES, 247.4 T/YR. 80% O
VERALL EFFICIENCY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - PAPERS/FABRICS

COMPANY NAME/SITE LOCATION: UNIVERSAL ENGINEERED PRODUCTS, INC. 501 S. WAKE ST. — STONGHTON, WI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 89-RV-065
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
RAJ VAKHARIA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/28/90
ESTIMATED DATE OF START-UP--
(608)-267-2015 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, #C-1					
		PM	0.1500 LB/MMBTU		SIP
		VOC	SEE NOTE		BACT
				THERMAL INCINERATOR	79.20
		NOX	1.1400 LB/H		SIP
		VE	20.0000 % OPACITY		SIP

NOTES --------
2.9 LB VOC/GAL MINUS H2O & BACT - 79.2% OVERALL CONTROL EFFICIENCY & THERMAL INCINERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS — 65.00 TRUCKS/H

COMPANY NAME/SITE LOCATION: CHRYSLER MOTORS, DODGE CITY COMPLEX — WARREN, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 489-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DAVID YANOCHKO (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/08/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, ANTI-CHIP	70.00 TRUCKS/H	VOC	0.0000 LB/GAL COATING	THERMAL INCINERATION POWDER COATING	BACT
		PM	0.0000 % OPACITY	HERDING FILTER	

NOTES --------
ALL AIR FROM POWDER SPRAY BOOTH & INFRARED OVEN RECIRCULATED TO BOOTH EXCEPT FOR SMALL PORTION EXHAUSTED TO EXISTING ELPO PRIM ER OVEN WITH INCINERATION. POWDER COATING IS ACTUALLY CURED IN EXISTING ELPO PRIMER OVEN.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: CHRYSLER MOTORS, TOLEDO PLANT, TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-451
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SANDING, GUIDECOAT	1000.00 CARS/D	VOC	4.7000 LB/GAL	AUTO AIR SPRAY	BACT
SANDING, TOPCOAT	1000.00 CARS/D	VOC	3.7000 LB/GAL	AUTO AIR SPRAY	BACT
SANDING, STONE	1000.00 CARS/D	VOC	3.4000 LB/GAL	AUTO AIR SPRAY	BACT
COATING, SOUND DEADENER	1000.00 CARS/D	VOC	3.4000 LB/GAL	MANUAL AIRLESS SPRAY	BACT
REPAIR TOPCOAT, FINAL	100.00 CARS/D	VOC	4.8000 LB/GAL	ACTIVATED CARBON	BACT

NOTES --------
SAND GUIDECOAT/TOPCOAT USES 50% T.E. FOR T.C. & 30% T.E. FOR STONEGUARD.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: CHUCK HADDAD MITSUBISHI , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 0182001
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT, AUTOMOTIVE		VOC	20.8500 LB/D SEE NOTE		BACT 50.00

NOTES --------
VOC CONTROL EQUIPMENT IS HIGH VOLUMN, LOW PRESSURE SPRAY GUN. LOW VOC COATING PAINTS TO BE USED WHEN AVAILABLE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS — 240000.00 VEH/YR

COMPANY NAME/SITE LOCATION: DIAMOND-STAR MOTORS — NORMAL, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 86 01 0040
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRISTOPHER ROMAINE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/15/86
ESTIMATED DATE OF START-UP-- 1988
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SOUND DEADENER, PRESS HELD SHOP	63.00 VEH/H	VOC	2.6000 LB/H	
PAINT SHOP, BODY, PRIME		VOC	0.2000 KG/L APP SOLIDS AFTERBURNER 90% DESTRUCTION 85% SOLIDS COAT/90% TE/SEE NOTE#1	
GUIDE COAT	63.00 VEH/H	VOC	1.4000 KG/L APP SOLIDS 45% SOLIDS COAT/76% TE/SEE NOTE#2	
TOP COAT	63.00 VEH/H	VOC	1.4700 KG/L APP SOLIDS AFTERBURNER 90% DESTRUCTION 45%, AVG, SOLIDS COAT/65% TE/SEE NOTE#3	
SEALS/UNDERCOAT/STONEGUARD	63.00 VEH/H	VOC	0.0670 KG/L COATING 6% VOC COAT/AIRLESS ELECTROSTATIC SPRAY	67.00
PARTS SHOP, PLASTIC, PRIME	63.00 VEH/D	VOC	0.6300 KG/L COATING AFTERBURNER 90% DESTRUCTION 51% TE/HIGHLY AUTOMATED	
PARTS SHOP, PLASTIC, GRAY	63.00 VEH/D	VOC	0.5400 KG/L COATING AFTERBURNER 90% DESTRUCTION 51% TE/HIGHLY AUTOMATED	
PARTS SHOP, PLASTIC, COLOR	63.00 VEH/D			

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/01/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		VOC	0.5800 KG/L COATING AFTERBURNER 90% DESTRUCTION 51% TE/HIGHLY AUTOMATED	
PARTS SHOP, PLASTIC, CLEAR	63.00 VEH/D	VOC	0.5300 KG/L COATING AFTERBURNER 90% DESTRUCTION 63% TE/HIGHLY AUTOMATED	
PAINT SHOP, FUEL TANK, FLOW COAT	63.00 VEH/H	VOC	0.3700 KG/L COATING	
PAINT SHOP, FUEL TANK, SPRAY CO*	133.00 LB/D VOC	VOC	0.0670 KG/L COATING	
CLEANUP	63.00 VEH/H	VOC	1.8000 LB/VEH COLLECTION, CAPTURE, RECYCLE NON-VOC CONVEYOR CLEANING	80.00
ASSEMBLY LINE	63.00 VEH/H	VOC	0.0600 LB/VEH	
COATING, HOT WAX	1110.00 LB/D	VOC	0.3900 KG/L COATING	
RUSTPROOFING, UNDER FLOOR	1110.00 LB/D	VOC	0.3700 KG/L COATING	
COATING, ENGINE COMPARTMENT	9.60 LB/D	VOC	0.0670 KG/L COATING	
COATING, TOUCH-UP	8.80 LB/D	VOC	0.5800 KG/L COATING	
STORAGE & LOADING, GASOLINE	63.00 VEH/H	VOC	STAGE 1 & STAGE 2 VAPOR BALANCE SYS.-REQ.	
FUEL COMBUSTION	312.00 MMBTU/H	NOX	USE OF NAT GAS AS ONLY FUEL	

NOTES --------
NOTE#1-LIMIT>NSPS(0.16 KG/L APP SOLIDS) NSPS ASSUMES 100% TRANS. EFF & CREDITS AFTERBURNER. ACT. EMIS 0.04-0.15 KG/L APP SOLIDS. AFTERBURNER & ELECTRODE-POSITION REQ. NOTE#2-LIMIT>NSPS(1.4 KG/L APP SOLIDS) NSPS ASSUMES 95% TRANS EFF,EMIS ACTUALLY= 1.36-1.4 KG/L. NOTE#3-IF LIMIT NOT ACHIEVED MORE STRINGENT OPER STD MUST BE MET. NOTE#4- PLASTIC PARTS COATING EMIS=2.66 KG/L APP SOLIDS. COATING MUST BE FORMULATED SO SOLVENT SYS IS NOT PHOTOCHEMICALLY REACTIVE PER "SOUTH COAST RULE 66".

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/01/1987

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: FORD MOTOR CO., MILAN PLASTICS PLANT — MILAN, MI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 187-84A & 324-84A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DANITA BRANDT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRECOAT, ELECTROSTATIC	98100.00 GAL/YR	VOC	6.3000 LB/GAL COATING		LAER 0.00
COATING, URETHANE	384400.00 GAL/YR	VOC	5.4000 LB/GAL COATING 22.0900 LB/GAL APPLIED SOLIDS		LAER 95.00
				INCINERATION ON BAKE OVEN	
DECORATING, URETHANE	119200.00 GAL/YR	VOC	5.2000 LB/GAL COATING 33.7800 LB/GAL APPLIED SOLIDS		LAER 95.00
				INCINERATION ON BAKE OVEN	

NOTES --------
PRECOAT ELIMINATES NEED FOR A PRIMECOAT & 2ND COAT OF COLOR. TWO COMPONENT URETHANE MUST MEET GASOLINE RESISTANCE & FLEXIBILITY REQUIREMENTS. VOC LIMIT BASED ON 24 H AVG TIME, COATING IS AS APPLIED. LAER IS FOR POLYCARBONATE CAR BUMPERS. TRANSFER EFF. IS 70% FOR 2 COMPONENT URETHANE & 40% FOR SELECTIVE DECORATING. VOC CAPTURE IS 25% FOR BOTH SYSTEMS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: FORD MOTOR CO. WIXOM, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 925-87 & 924-87A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
CHRISTOPHER STOCK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/17/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SEALER, BODY	1200.00 CARS/D	VOC	0.3500 LB/GAL APPLIED SOLIDS NONE	LAER
SEALER, CLOSURE	1200.00 CARS/D	VOC	0.7000 LB/GAL APPLIED SOLIDS NONE	LAER
COATER, ANTICHIP	1200.00 CARS/D	VOC	0.7300 LB/GAL APPLIED SOLIDS NONE	LAER
PROCESS, ELECTROCOATING	1200.00 CARS/D	VOC	0.2500 LB/GAL APPLIED SOLIDS THERMAL INCINERATOR	LAER 72.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: FORD MOTOR CO., 50500 MOUND RD. — UTICA, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 654-88
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

DANITA BRANDT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/28/88
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY & OVEN, PRIME/TOPCOAT		VOC	70.0000 LB/H 70.4000 T/YR		BACT
				THERMAL OXIDIZER	90.00

NOTES --------
THIS WAS AN EXISTING SOURCE, INSTALLED IN 1973. INCINERATORS WERE INSTALLED FOR ODOR CONTROL. POUND PER HOUR & TON PER YEAR LI
MIT APPLIED TO ENTIRE PROCESS. PROCESSES INCLUDE PRIME SPRAY BOOTH, TOPCOAT SPRAY BOOTH, & PRIME
/TOPCOAT OVEN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: FORD MOTOR CO. — WIXOM, MI

DETERMINATION IS LAER
PERMIT NO. 265-79C
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
CHRIS STOCK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/01/89
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, PRIMER SURFACER	73.50 CAR/H	VOC	1.8400 LB/GAL APPLIED COATING SOLIDS	BOOTH/OVEN INCINERATION	LAER 95.00
COATING, URETHANE ANTI-CHIP	73.50 CAR/H	VOC	9.6100 LB/GAL APPLIED COATING SOLIDS	OVEN INCINERATION	LAER 95.00
COATING, COLOR-IN-PRIME	73.50 CAR/H	VOC	14.8000 LB/GAL APPLIED COATING SOLIDS	OVEN INCINERATION	LAER 95.00

NOTES --------
4.1 LB VOC/GAL COATING, 80% T.E., 16% OVEN CAPTURE EFFICIENCY, 82.4% COMPOSITE DESTRUCTION EFFICIENCY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: FORD MOTOR CO. — WIXOM, MI

DETERMINATION IS
PERMIT NO. 280-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
CHRIS STOCK (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/01/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING, BLACKOUT	73.50 JOBS/H	VOC	12.2400 LB/GAL APPLIED COATING SOLIDS	LAER

NOTES --------
1.19 LB VOC/GAL COATING, 24.3% SOLIDS, 40% T.E.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: FORD MOTOR CO. WIXOM, MI

DETERMINATION IS
PERMIT NO. 276-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
CHRIS STOCK (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/01/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, TOPCOAT	73.50 CARS/H	VOC	5.2900 LB/GAL APPLIED COATING SOLIDS PARTIAL BOOTH/OVEN INCINERATION	LAER 68.00

NOTES --------
BOOTH/OVEN SPLIT - 85/15. BASE COAT 4.3 LB VOC/GAL APPILED COATING SOLIDS, CLEARCOAT 3.4 LB VOC/GAL APPLIED COATING SOLIDS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: GENERAL MOTORS
WILLOW RUN ASSEMBLY PLANT , MI

DETERMINATION IS
PERMIT NO. 246-84C
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
CHRISTOPHER STOCK (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/01/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, TOPCOAT	76.00 JOBS/H	VOC	12.2000 LB/GAL	OVEN INCINERATOR	LAER 10.00

NOTES --------
ADD-ON CONTROL EXCEPTIONALLY EXPENSIVE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS — 75.00 CARS/H

COMPANY NAME/SITE LOCATION: GENERAL MOTORS CORP. — HENTZVILLE, MO

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
CHARLES WHITMORE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/14/80
ESTIMATED DATE OF START-UP--
(913)-551-7020 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, 4 EA	247.00 MMBTU/H	SO2	1.2000 LB/MMBTU, 30 D AVG	LOW S COAL	BACT
		NOX	0.6000 LB/MMBTU	BOILER DESIGN	BACT
		PM	0.0300 LB/MMBTU		BACT
		CO	0.0800 LB/MMBTU	BOILER OPERATION	BACT
SPRAY BOOTHS		PM	0.6000 GR/MCF		BACT
PLANT, AUTO ASSEMBLY	75.00 CARS/H	PM	1.0000 GR/MCF	BAGHOUSE-CONTROLLED PROCESSES	BACT
		PM	3.0000 GR/MCF	WET COLLECTOR CONTROLLED PROCESSES	BACT

NOTES --------
NEW AUTO ASSEMBLY PLANT. NONATTAINMENT AREA RE- VOC. UPDATE- PERMIT REVISED ON 7/22/86 PER CMPL TEST RESULTS, CO- 0.16 PM-2.0.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: GENERAL MOTORS CORP.
CPC GROUP
ARLINGTON, TX
TARRANT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 17666
DETERMINATION MADE BY TEXAS ACB (AGENCY)
JAMES CUNNINGHAM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/14/87
ESTIMATED DATE OF START-UP-- 1987
(517)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT		VOC	78.3000 T/YR	INCINERATOR	BACT 99.00
		NOX	79.2000 T/YR		
		SO2	0.1000 T/YR		
		CO	9.8000 T/YR		
		PM	0.4000 T/YR		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: GMC, WILLOW RUN ASSEMBLY PLANT, YPSILANTI, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 500-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/21/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAYBOOTH		VOC	0.0000 LB/GAL		LAER

NOTES --------
TRANSIT COATING WITH NO VOC IN COATING. "TRANSIT COATING" IS A THIN FILM OF WATERBASED COATING SPRAYED ON EACH CAR PRIOR TO SH
IPMENT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: HONDA OF AMERICA MFG CO., 24000 US ROUTE 33, MARYSVILLE, OH 43040

DETERMINATION IS
PERMIT NO. 05-2865
DETERMINATION MADE BY OHIO EPA, DAPC (AGENCY)
BOB HADANBOSI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/18/88
ESTIMATED DATE OF START-UP-- 1989
(614)-644-2270 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, EAP, W/OVEN	62.00 CAR/H	VOC	0.6200 KG/L APPLIED SOLIDS 1.1400 LB/GAL-H2O INCINERATION OF OVEN EXHAUST	L/N
GUIDECOAT LINE A, W/OVEN	62.00 CAR/H	VOC	1.0600 KG/L APPLIED SOLIDS 4.0000 LB/GAL-H2O INCINERATION OF OVEN EXHAUST	L/N
TOPCOAT LINE A, W/OVEN	62.00 CAR/H	VOC	1.4700 KG/L APPLIED SOLIDS 3.8200 LB/GAL-H2O INCINERATION OF OVEN EXHAUST	L/N
REPAIR, ON-LINE & OVEN	62.00 CAR/H	VOC	1.4700 KG/L APPLIED SOLIDS 3.8200 LB/GAL-H2O INCINERATION OF OVEN EXHAUST	L/N
PROOFING LINE, FINAL RUST	62.00 CAR/H	VOC	0.6340 KG/L APPILED SOLIDS 2.8300 LB/GAL-H2O AIRLESS SPRAY	

NOTES --------
THE LB/GAL EXCLUDING WATER IS CALCULATED ON A DAILY VOLUME WEIGHTED AVERAGE OF VOC.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/21/1989

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS — 17206.00 GAL/YR

COMPANY NAME/SITE LOCATION: JEEP CORP. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-353
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/07/87
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING BOOTH, VEHICLE, CKD MAX	17206.00 GAL/YR	VOC	5.6000 LB/GAL MINUS H2O MANUAL AIRLESS SPRAY	SIP
COATING BOOTH, VEHICLE, UNDERCO*	17206.00 GAL/YR	VOC	3.6000 LB/GAL MINUS H2O VOC CONTENT LIMIT	SIP
COATING BOOTH, VEHICLE, SOUND D*	17206.00 GAL/YR	VOC	3.4000 LB/GAL MINUS H2O	SIP
COATING BOOTH, VEHICLE, RUST CO*	17206.00 GAL/YR	VOC	0.3900 LB/GAL MINUS H2O	SIP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS — 5.20 VEH/D

COMPANY NAME/SITE LOCATION: MERCEDES BENZ TRUCK CO. — HAMPTON, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 60956
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/10/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINT BOOTH, SPRAY	5.20 VEH/D	SIL*	0.7200 LB/D	FILTERS	0.10
				LIMITS ON PAINTS BY TYPE	
		COB*	0.0080 LB/D		
		CHR*	0.1800 LB/D		
		HDM	0.1500 LB/D		
		HHD	0.7200 LB/D		
		ZIN*	0.0100 LB/D		

NOTES --------
INSTALL PAINT SPRAY BOOTH TO BE USED TO COAT GOVERNMENT VEHICLES. CAPACITY IS FIVE VEH. PER DAY PLUS TOUCH-UP PAINTING EQUIVALENT TO 0.2 VEH. PER DAY. HDM = HEXAMETHYLENE DIISOCYANATE MONOMER. HHD = HOMOPOLYMER OF HEXAMETHYLENE DIISOCYAMATE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: NAVISTAR INTERNATIONAL TRANSPORTATION C* — SPRINGFIELD, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 08-862
DETERMINATION MADE BY OHIO EPA (AGENCY) — T. WILSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/29/87
ESTIMATED DATE OF START-UP-- 1989
(513)-225-4435 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. APPLICATION, E-COAT PRIME		VOC	1.2000 LB/GAL	BACT
MATL. APPLIC., INTERIOR COLOR		VOC	3.5000 LB/GAL MINUS H2O	B/S
MATL. APPLIC., TOP COAT LINE		VOC	3.5000 LB/GAL BEFORE CONTROL THERMAL OXIDIZER	BACT 85.50
MATL. APPLIC., TOP COAT LINE		VOC	4.7000 LB/GAL BEFORE CONTROL THERMAL OXIDIZER	BACT 85.50

NOTES --------
DESIGN CAPACITY FOR THE PLANT IS 468 UNITS/DAY. ANNUAL ALLOWABLES - E COAT LINE - 46.9, INTERIOR COLOR - 29.13, TOP COAT LINE - 25.4, TOP COAT LINE - 25.4

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: NISSAN MOTOR MANUFACTURING CORP. , TN

DETERMINATION IS
PERMIT NO. 997133-146,997317-320
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)

BILL CLELAND (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/11/89
ESTIMATED DATE OF START-UP-- 1991
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. COATING, TOPCOAT	55.00 VEH/H	VOC	10.0100 LB/GAL SOLIDS APPLIED OVEN INCINERATION	L/N 90.00
SURFACER, PRIMER	55.00 VEH/H	VOC	9.0100 LB/GAL SOLIDS APPLIED OVEN INCINERATOR	L/N 95.00
MATL. COATING, CHIP PRIMER	55.00 VEH/H	VOC	12.8400 LB/GAL SOLIDS APPLIED	LAER
MATL APPLIATION, BLACKOUT	55.00 VEH/H	VOC	19.0100 LB/GAL SOLIDS APPLIED	LAER
MATL. APPLICATION, E-COAT	55.00 VEH/H	VOC	0.5100 LB/GAL SOLIDS APPLIED OVEN INCINERATION	L/N 95.00
MATL. APPLICATION, STONEGUARD	55.00 VEH/H	VOC	3.6400 LB/GAL	LAER
MATL. APPLICATION, PVC UNDERCOAT	55.00 VEH/H	VOC	0.2300 LB/GAL OVEN INCINERATION	LAER 90.00
MATL. APPLICATION, TOUCH-UP	55.00 VEH/H	VOC	4.1000 LB/GAL	LAER
SPRAY BOOTH, MAX	55.00 VEH/H	VOC	3.0000 LB/GAL	LAER
WIPING, SOLVENT	55.00 VEH/H	VOC	8.0000 LB/GAL	LAER
MATL. APPLICATION, SEALER	55.00 VEH/H			

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

(CONTINUED) NISSAN MOTOR MANUFACTURING CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		VOC	0.1700 LB/GAL	LAER
MATL. FILLING, GASOLINE	55.00 VEH/H	VOC	8.0000 LB/GAL	LAER
MATL. FILLING, WINDSHIELD WASH	55.00 VEH/H	VOC	1.0000 LB/GAL	LAER
MATL. FILLING, COOLANT	55.00 VEH/H	VOC	4.0000 LB/GAL	LAER
MATL. APPLICATION, TOUCH-UP	55.00 VEH/H	VOC	4.1000 LB/GAL	LAER
MATL. APPLICATION, BIT WAX	55.00 VEH/H	VOC	2.9200 LB/GAL	LAER
MATL. APPLICATION, WAX OIL	55.00 VEH/H	VOC	2.9900 LB/GAL	LAER
MATL. APPLICATION, CAVITY WAX	55.00 VEH/H	VOC	2.9400 LB/GAL	LAER
FASCIA	55.00 VEH/H	VOC	5.0800 LB/GAL OVEN INCINERATOR	LAER 95.00

NOTES --------
TE IS 55% FOR TOPCOAT, 71% FOR PRIMER-SURFACER, 50% FOR CHIP PRIMER & BLACKOUT, 95% FOR STONEGUARD WAX, 100% FOR E-COAT & 40% FOR FASCIA.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: NISSAN MOTOR MANUFACTURING CORP. , TN

DETERMINATION IS
PERMIT NO. 997068
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)

BILL CLELAND (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/88
ESTIMATED DATE OF START-UP-- 1990
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. APPLICATION, PAINTING, FA*	93.00 FASCIA/H	VOC	SEE NOTES OVEN INCINERATOR	LAER 95.00

NOTES --------
LIMITS ARE LB VOC PER GALLON SOLIDS DELIVERED. ADHESIVE PROM - 89.9 LB/GAL, BASE COAT - 11.6 LB/GAL, CLEAR COAT - 9.17 LB/GAL, STR SHADES - 10.9 LB/GAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: ROCKWELL INTERNATIONAL
ROUTE 79, HEBRON ROAD
HEATH, OH
LICKING COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 01 45 01 0101/K001
DETERMINATION MADE BY OHIO EPA (AGENCY)
MICHAEL HOPKINS (AGENCY CONTACT PERSON)
(614)-481-2055 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, #K001	40.00 AXLES/H	VOC	3.5000 LB/GAL H2O	ELECTROSTATIC SPRAY	RACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS

COMPANY NAME/SITE LOCATION: UTILITY TRAILER MANUFACTURING CO. , VA SMYTH COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 11072
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

GORDON KERBY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/01/89
ESTIMATED DATE OF START-UP-- 1990
(804)-786-7698 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING OPERATIONS, PLANT-WIDE	48150.00 GAL/YR	FRE*	7.5000 GAL/H 30150.0000 GAL/YR OPERATING LIMIT		
		1,1*	3.2000 GAL/H 13500.0000 GAL/YR OPERATING LIMIT		
		MET*	1.1000 GAL/H 4500.0000 GAL/YR OPERATING LIMIT		
SPRAY BOOTH, PAINT	18000.00 GAL/YR	VOC	22.3000 LB/H 46.5000 T/YR OPERATING LIMIT		
		PM	0.1000 LB/H 0.2000 T/YR FILTER		99.00
		PM10	0.1000 LB/H 0.2000 T/YR FILTER		99.00
		STR*	0.0040 GAL/H 0.0090 GAL/YR FILTER		99.00
		IRO*	0.0090 GAL/H 0.0190 GAL/YR FILTER		99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		TIT*	0.0450 GAL/H		
			0.0750 GAL/YR		
				FILTER	99.00
		ALK*	0.0460 GAL/H		
			0.0720 GAL/YR		
				FILTER	99.00
		POT*	0.0030 GAL/H		
			0.0060 GAL/YR		
				FILTER	99.00
MATL. APPLICATION, DIP TANK	0.96 GAL/H				
		VOC	4.0000 LB/H		
			8.3000 T/YR		
				OPERATING LIMITS	99.00
INCINERATOR	35.00 LB/H				
		PM	0.1000 GR/DSCF AT STD COND AT 12% CO2		
				SECONDARY COMBUSTION CHAMBER	99.00

NOTES --------
CONSTRUCT A TRAIL MANUFACTURING FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - AUTO./LIGHT DUTY TRUCKS — 13908.00 TRUCKS/YR

COMPANY NAME/SITE LOCATION: VOLVO GM HEAVY TRUCK CO. , VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 20765
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

TOM CREASY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/08/88
ESTIMATED DATE OF START-UP-- 1989
(804)-786-0178 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, TOTAL	102700.00 GAL/YR	VOC	244.0000 T/YR		
LINE, CHASIS		VOC	67.0000 T/YR	H2O WASH FOR PM	
LINE, MINI CAB		VOC	23.0000 T/YR	H2O WASH FOR PM	
		N-B*	3707.0000 LB/YR		

NOTES --------
CONSTRUCTION OF A MODIFIED TRUCK PAINTING FACILITY. 5% OPACITY FROM PAINT LINES. CHASIS PAINT = 3.5 LB VOC PER GALLON COAT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION: AMERICAN SEATING CO. , MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 303-89
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/01/89
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING BOOTH, WET, & OVEN		VOC	2.7700 LB/GAL APPLIED SOILDS		BACT
			10.0000 LB/H	THERMAL INCINERATION, SEE NOTE	95.00

NOTES --------
THE TWO AUTOMATED BOOTHS ARE DESIGNED FOR UP TO 90% AIR RECIRCULATION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION: HAWORTH, INC. HOLLAND, MI

DETERMINATION IS
PERMIT NO. 614-85
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

LYNN FIEDLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1985
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ADHESIVE APPLICATION		VOC	5.4400 LB/GAL		LAER
		VE	SEE NOTE		
PAINTING, METAL FURNITURE		VOC	4.9600 LB/GAL APPLIED SOLIDS	HIGH SOLIDS PAINT, HIGH TRANSFER EFF.	LAER
		VE	SEE NOTE		

NOTES --------
NO VISIBLE EMISSIONS EXCEPT FOR UNCOMBINED WATER VAPOR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - METAL FURNITURE — 200.00 PIECES/H

COMPANY NAME/SITE LOCATION: MERIDIAN, INC. — SPRING LAKE, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 719-84
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
PAUL SCHLEUSENER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/07/84
ESTIMATED DATE OF START-UP-- 1985
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINT SPRAY BOOTH, 3 / BAKE OVE*	5.00 GAL/H	VOC	0.8500 KG/L APPLIED, 24 H AVG	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION: METALWORKS, INC. LUDINGTON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 75-88
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
DHRUMAN SHAH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/29/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, 4 SPRAY BOOTH & B*	30000.00 GAL/YR	VOC	7.5000 LB/GAL OF SOLIDS APPL., 30D AVG MANUAL ELECTROSTATIC SPRAY GUNS HIGH SOLIDS PAINT	BACT 60.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

ID NUMBER MI-0060

SOURCE TYPE CODE 4.4

SOURCE TYPE/SIZE: SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION: MILL BUSINESS FURNITURE, 2375 DORR ST., TOLEDO, OH, LUCAS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PTI 04-530
DETERMINATION MADE BY: TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY TWADDLE (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, POWDER, METAL FUR*		PM	0.2400 LB/H	PAPER FILTER	BACT 99.00
		PM10	0.0240 LB/H	PAPER FILTER	BACT 99.00
		VOC	0.0000 LB/H	USE OF POWDER COATINGS	BACT 100.00

NOTES ---------
POWDER APPLIED ELECTROSTATICLY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION: SPECTRA-COLOR, INC. GRAND HAVEN, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 192-88
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
DHARMAN SHAH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/29/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, 2 SPRAY BOOTHS & *	6.10 GAL/H	VOC	7.5000 LB/GAL OF SOLIDS APPL., 300 AVG	MANUAL ELECTROSTATIC SPRAY GUNS HIGH SOLIDS PAINT	BACT 60.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

ID NUMBER MI-0069

SOURCE TYPE CODE 4.4

SOURCE TYPE/SIZE: SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION: SPECTRA-COLOR, INC. OTTAWA, MI

DETERMINATION IS BACT
PERMIT NO. 192-88A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DHRUMAN SHAH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN & OTHER PROCESSES, SEE NOTE	4.00 GAL/H	VOC	2.4300 LB/GAL 4.6000 LB/GAL SOLIDS AS APPLIED	BACT 80.00

NOTES --------
PROCESSES INCLUDE PAINT BOOTH OVEN & AUTO TURBO BESC SYSTEM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION: STEELCASE INC. , MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 10-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DHRUMAN SHAH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING OPER., FILES/SM. PARTS	8600.00 SQFT/H PAIN*	VOC	2.9000 LB/GAL COATING-H2O		LAER
			7.5000 LB/GAL SOLIDS APPLIED, 30D AVG	MIX OF TURBO, ELECTROSTATIC, HAND-HELD GUNS	62.00

NOTES --------
AUTOMATIC GUNS PAINT ONLY 17.5% OF THE TOTAL SURFACE. PROJECT IS NOT FEASIBLE IF AUTOMATIC BOOTHS EMISSIONS AT 10.8 T/YR WERE REQUIRED TO BE CONTROLLED. LAER IS NSPS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION: STEELCASE, INC. — GRAND RAPIDS, MI

DETERMINATION IS
PERMIT NO. 369-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/01/87
ESTIMATED DATE OF START-UP-- 1987
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT		VOC	3.0000 LB/GAL 57.4000 LB/H		N/L 70.60

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - METAL FURNITURE

COMPANY NAME/SITE LOCATION: STEELCASE, INC. — KENTWOOD, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 13-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY) — GREGORY EDWARDS (AGENCY CONTACT PERSON) — (517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/19/88
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, METAL, 2					
		VOC	3.8100 LB/GAL APPLIED SOLIDS		LAER
				INCINERATOR/CARBON ADSORPTION	95.00
COATING LINE, HOOD					
		VOC	1.6500 LB/GAL APPLIED SOLIDS		LAER
				INCINERATOR/CARBON ADSORPTION	95.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MAGNET WIRE

COMPANY NAME/SITE LOCATION: ESSEX GROUP, INC. — FRANKLIN, TN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 995215P THRU 22
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)

CURTIS MAPP (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(615)-741-3931 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN, 10 EA	2.10 MMBTU/H	VOC	0.4000 LB/GAL COATING	AFTERBURNER	LAER 95.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: AAR BROOKS & PERKINS — CADILLAC, MI

DETERMINATION IS BACT
PERMIT NO. 776-86
DETERMINATION MADE BY MICHIGAN AQD (AGENCY)
DAVE FERRIER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/31/87
ESTIMATED DATE OF START-UP-- 1987
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH	10.00 GAL/H			
		VOC	1.0000 LB/GAL ADHESIVE	BACT
			CARBON ADSORPTION	85.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: AIRESEARCH CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 148655
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

DOUG GORDON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/08/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH		VOC	80.0000 LB/D, SEE NOTE	CARBON ADSORPTION SYSTEM	BACT 98.00

NOTES --------
EMISSIONS ARE FACILITY EMISSIONS. SEE FILE NUMBERS A-340-192 THRU 196. PERMITTED TO OPERATE 16 H/D, 6 D/WK, 50 WK/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: AIRESEARCH CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 148656
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DOUG GORDON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/08/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN	35.00 KH	VOC	80.0000 LB/D, SEE NOTE CARBON ADSORPTION SYSTEM	BACT ?8.00

NOTES --------
EMISSIONS ARE FACILITY EMISSIONS. SEE FILE NUMBERS A-340-192 THRU 196. OPERATING LIMIT - 16 H/D, 6 D/WK, 50 WK/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: AIRESEARCH CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 148657
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DOUG GORDON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/08/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN	42.00 KH	VOC	80.0000 LB/D, SEE NOTE CARBON ADSORPTION SYSTEM	BACT 98.00

NOTES --------
EMISSIONS ARE FACILITY EMISSIONS. SEE FILE NUMBERS A-340-192 THRU 196. OPERATING LIMIT - 16 H/D, 6 D/WK, 50 WK/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: AIRESEARCH CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 148658
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DOUG GORDON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/08/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN	105.00 KM	VOC	80.0000 LB/D, SEE NOTE CARBON ADSORPTION SYSTEM	BACT 98.00

NOTES --------
EMISSIONS ARE FACILITY EMISSIONS. SEE FILE NUMBERS A-340-192 THRU 196. OPERATING LIMIT - 16 H/D, 6 D/WK, 50 WK/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: AIRESEARCH CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 148660
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DOUG GORDON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/08/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, EPOXY DIP	575.00 GAL	VOC	80.0000 LB/D, SEE NOTE CARBON ADSORPTION SYSTEM	BACT 98.00

NOTES --------
EMISSIONS ARE FACILITY EMISSIONS. SEE FILE NUMBERS A-340-192 THRU 196. OPERATING LIMIT - 16 H/D, 6 D/WK, 50 WK/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS — 2.30 GAL/H

COMPANY NAME/SITE LOCATION: AMERICAN CUSTOM INDUSTRIES, INC. — SYLVANIA, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-402
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/28/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH	0.30 GAL/H	VOC	14.4000 LB/D		SIP
SPRAY BOOTH	1.50 GAL/H	VOC	22.8000 LB/D		SIP
GELCOAT BOOTH	0.50 GAL/H	VOC	32.0000 LB/D		SIP
SANDING BOOTH, SAND & GRIND		PM	0.0070 LB/H	FABRIC FILTER	SIP 99.00
CHOPPER GUN	21.00 LB/H	VOC	1.7600 LB/D		SIP
SPRAY BOOTH	7.00 LB/H	VOC	3.2800 LB/D		SIP
CLEANING STATION, SOLVENT	5.00 LB/H	VOC	8.0000 LB/D		SIP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: B.O.C. GROUP, GENERAL MOTORS CORP. KALAMAZOO, MI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 398-88 THRU 405-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/17/89
ESTIMATED DATE OF START-UP--
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS LINES, ADHESIVE APPL., *	400.00 PIECES/H, NR	VOC	3.2100 LB/GAL, DOORS, NOTE#2 0.1000 LB/GAL, PIECES, NOTE#2 SEE NOTE #3	LAER

NOTES ---------
NOTE #1-OTHER PIECES ARE A SUNROOF, DOORS, & A COMPARTMENT LINE. NOTE #2-LOWER LIMIT IS FOR COMPARTMENT LID ONLY. NOTE #3-APPLICATION BY MECHANICAL EXTRUSION, REPLACES SPRAY APPLICATION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS — 0.32 GAL/H

COMPANY NAME/SITE LOCATION: BASF CORP. INMONT DIV. — WHITEHOUSE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-341
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — WILLIAM GARBER (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/12/86
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT, 4 EA	0.08 GAL/H	VOC	2.0000 GAL/BOOTH/D		SIP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS — 40.00 PIECES/H

COMPANY NAME/SITE LOCATION: BASF CORP., INMONT DIVISION — WHITEHOUSE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-399
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — JEFFREY THADDLE (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/06/87
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT, 2 EA	20.00 PIECES/H	VOC	NOT APPLICABLE USE OF < 2 GAL OF COATING/D	SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS — 750.00 CASKETS/D

COMPANY NAME/SITE LOCATION: BATESVILLE CASKET CO., INC. — BATESVILLE, MS

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY MISSISSIPPI BPC (AGENCY)

BOBBY WHITAKER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/26/88
ESTIMATED DATE OF START-UP-- 1989
(601)-961-5171 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOOD/GAS FIRED	9.00 MMBTU/H	PM	2.5200 PPH	COMB. DESIGN	SIP
		PM10	2.2700 PPH	COMB. DESIGN	SIP
		CO	15.0000 PPH	COMB. DESIGN	NAAQ
		VOC	0.2900 PPH	COMB. DESIGN	BACT
		NOX	1.7000 PPH	COMB. DESIGN	NAAQ
		SO2	0.0070 PPH	COMB. DESIGN	SIP
		FOR*	0.2900 PPH	COMB. DESIGN	UNRG
BOILER, WOOD/GAS FIRED	9.00 MMBTU/H	PM	2.5200 PPH	COMB. DESIGN	SIP
		PM10	2.2700 PPH	COMB. DESIGN	SIP
		CO	15.0000 PPH	COMB. DESIGN	NAAQ
		VOC	0.2900 PPH	COMB. DESIGN	BACT
		NOX	1.7000 PPH	COMB. DESIGN	NAAQ

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		SO2	0.0007 PPH	COMB. DESIGN	SIP
		FOR*	0.2900 PPH	COMB. DESIGN	UNRG
SPRAY BOOTH		VOC	89.5400 PPH	AIR ASSISTED AIRLESS SPRAY	BACT
SPRAY BOOTH		VOC	58.1600 PPH	AIRLESS SPRAY	BACT
SPRAY BOOTH		VOC	57.2900 PPH	AIRLESS SPRAY	BACT
SPRAY BOOTH		VOC	57.2900 PPH	AIRLESS SPRAY	BACT
SPRAY BOOTH		VOC	57.2900 PPH	AIRLESS SPRAY	BACT
SPRAY BOOTH		VOC	28.6300 PPH	AIR ASSISTED AIRLESS SPRAY	BACT
OVEN, DRY		VOC	4.7100 PPH		BACT
OVEN, DRY		VOC	3.6400 PPH		BACT
OVEN, DRY		VOC	3.5800 PPH		BACT
OVEN, DRY		VOC	3.5800 PPH		BACT
OVEN, DRY		VOC	3.5800 PPH		BACT
OVEN, DRY		VOC	1.7900 PPH		BACT
FLASH TUNNEL		VOC	10.9100 PPH		BACT
FLASH TUNNEL		VOC	10.7400 PPH		BACT
FLASH TUNNEL					

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

(CONTINUED) BATESVILLE CASKET CO., INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		VOC	10.7400 PPH		BACT
FLASH TUNNEL					
		VOC	10.7400 PPH		BACT
FLASH TUNNEL					
		VOC	5.3700 PPH		BACT
BOOTH, SAND					
		PM	0.0400 PPH		SIP
BOOTH, SAND					
		PM	0.0400 PPH		SIP
BOOTH, SAND					
		PM	0.0400 PPH		SIP
BOOTH, SAND					
		PM	0.0400 PPH		SIP
BOOTH, PAINT					
		VOC	14.3500 PPH	AIR ASSISTED AIRLESS SPRAY	BACT
BOOTH, PAINT					
		VOC	11.9500 PPH	AIR ASSISTED AIRLESS SPRAY	BACT
BOOTH, STRIP					
		MET*	3.9300 PPH		SIP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: BENTELER INDUSTRIES, INC. , MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 730-89
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

DHRUMAN SHAH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/30/89
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EDIP PROCESS, SEE NOTE	8154.00 SQFT/H	VOC	1.2000 LB/GAL-H2O, SEE NOTE	BACT
			0.4700 LB/GAL+H2O, SEE NOTE WATER BASED PRIMER	95.00

NOTES --------
EMISSION LIMITS ARE 33.3% VOLUME SOLIDS, 60.4% WATER BY VOLUME, 6.3% VOC BY VOLUME. PROCESS INCLUDES ELECTRO-DEPOSITION PROCES
S - DIP TANK & A BAKE OVEN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: BOEING COMMERCIAL AIRPLANES — RENTON, WA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 88-4
DETERMINATION MADE BY WASHINGTON DOE (AGENCY)
JOHN DRABEK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/01/89
ESTIMATED DATE OF START-UP-- 1990
(206)-867-7106 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINT HANGER	33100.00 GAL/YR				
		VOC	124.0000 T/YR		BACT
				ELECTROSTATIC SURFACE COATING	30.00
				GOOD MFG/WORK PRACTICES	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: BONDED BRAKES — MADISON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 708-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

KAREN CARLSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/15/88
ESTIMATED DATE OF START-UP-- 1987
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, ADHESIVE	1.00 GAL/H PRIME*	VOC	10.2000 LB/H 7.0000 T/YR	ADHESIVE VOC CONTENT - 5.4 LB/GAL	

NOTES --------
APPLICATION OF PRIMER & ADHESIVE FOR MANUFACTURE OF BRAKE SHOES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: C.S. OHM MANUFACTURING CO. — STERLING HEIGHTS, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 171-90
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DANITA BRANDT (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/23/90
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH	1.00 GAL/H	VOC	5.0200 LB/GAL CARBON ADSORPTION	BACT 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: CIBA-GEIGY CORP. ANAHEIM, CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 151229 & 151755
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
RAVI BHATIA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/30/87
ESTIMATED DATE OF START-UP-- 1988
(818)-572-6152 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH		VOC	180.0000 LB/D	AIRLESS SPRAY SYSTEM	BACT

NOTES --------
ADD-ON AIR POLLUTION CONTROL EQUIPMENT HAS BEEN DETERMINED TO BE NON-COST EFFECTIVE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: CLASSIC MANUFACTURING, INC. , MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 986-89
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
LINDA DAVIS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/01/90
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT		VOC	100.0000 GAL/MONTH		BACT
				AIRLESS ELECTROSTATIC SPRAY GUNS	80.00

NOTES --------
BOOTH IS 40 FEET, COMPANY IS SMALL & USES ONLY 100 GAL/MONTH.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: ENERGY COATINGS CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 183284 & 183286
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
MOHAN BALAGAPALAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/12/89
ESTIMATED DATE OF START-UP--
(714)-872-6066 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLASTING MACHINE, ABRASIVE	200.00 HP	PM	150.0000 LB/D	BAGHOUSE	BACT
MATL. APPLIC., POWDER COATING		PM	150.0000 LB/D	BAGHOUSE	BACT

NOTES --------
BAGHOUSE IS BACT. ACHIEVED IN PRACTICE. NO COST EFFECTIVE EVALUATION NEEDED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: GENERAL DYNAMICS CORP.
POMONA DIVISION
, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 145895-7
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
ANDREW LEE (AGENCY CONTACT PERSON)
(818)-572-6150 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/24/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN, 2 & SPRAY ROOM	176.00 KH	VOC	14.0000 LB/D		BACT
		PM	1.0000 LB/D		BACT
				CUSTOM MADE SPRAY BOOTH	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: GENERAL DYNAMICS CORP. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 145893-4
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

ANDREW LEE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/24/86
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6150 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN & SPRAY BOOTH	2.00 HP	PM	0.0000 LB/D	BACT
			SPRAY BOOTH	90.00
		VOC	8.0000 LB/D	BACT

NOTES --------
COMPANY VOLUNTARILY INSTALLED S/B

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: GENERAL DYNAMICS CORP. POMONA DIVISION , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 145889-92
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

ANDREW LEE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/24/86
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6150 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN, CURING, 4 TOTAL	580.00 KH	VOC	12.0000 LB/D		BACT

NOTES --------
BACT EVALUATION FOR THE OVENS WERE SHOWN TO BE NON-COST EFFECTIVE. LIMITED TO A MAX OF 14% VOC IN RESIN-IMPREGNATED FABRIC.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: GENERAL MOTORS CORP. SAGINAW DIV. — SAGINAW, MI

DETERMINATION IS
PERMIT NO. 498-86
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

DAVID YANOCHKO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/06/86
ESTIMATED DATE OF START-UP-- 1986
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, AUTOMATIC & OVEN, *	25.00 GAL/H	VOC	19.1000 LB/GAL APP SOLIDS CARBON ADSORPTION, CALC INCIN	SIP 76.50

NOTES --------
CONTROL METHOD CONSTITUTES AN INNOVATIVE APPROACH TO COMPLY W/RACT RULES FOR EXISTING MISCELLANEOUS METAL COATING PROCESSES BY CONTROL OF VOC EMISSIONS FROM THE PAINT SPRAY BOOTH & FLASHOFF AREA USING AN ACTIVATED CARBON CONCENTRATOR FOLLOWED BY CATALYTIC INCINERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: HEEKIN CAN CO. PITTSBURGH, PA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 88-I-0017-P
DETERMINATION MADE BY ALLEGHENY COUNTY APCB (AGENCY)
J. GRAHAM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/01/88
ESTIMATED DATE OF START-UP-- 1988
(412)-578-8116 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING/PRINTING LINE, 4	30.00 T/H	VOC	THERMAL AFTERBURNER 0.5 SEC RESID. TIME AT 1400F	BACT 95.00

NOTES --------
ESTIMATED COATER CAPTURE EFFICIENCY - 90%, OVERALL VOC CONTROL - 85%

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/17/1989

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS 22000.00 GAL

COMPANY NAME/SITE LOCATION: HERBERT E. ORR CO., INC. TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-339
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/27/86
ESTIMATED DATE OF START-UP-- 1985
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, ELECTRODEPOSITION	22000.00 GAL	VOC	3.0000 LB/GAL MINUS H2O VOC LIMIT FOR COATING & USE OF ELECTRODEPOSITI*	SIP

NOTES --------
PROCESS CONSISTS OF PRE-CLEANING SYSTEM, E-COAT DIP TANK, & POST RINSE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS — 0.88 GAL/H

COMPANY NAME/SITE LOCATION: JEEP CORP. — TOLEDO, OH
JEEP PARKWAY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-334
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — DALE KRYGIELSKI (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/06/86
ESTIMATED DATE OF START-UP-- 1977

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY, STEERING COLUMN	0.88 GAL/H	VOC	8.4000 T/YR SEE NOTES		SIP

NOTES --------
MAX OF 10 GAL COATING/DAY TO BE APPLIED TO METAL PORTION OF STEERING COLUMNS. THE SOLVENT COMPOSITION OF THE COATINGS APPLIED TO THE PLASTIC PORTION OF THE COLUMNS SHALL BE NON-PHOTOCHEMICALLY REACTIVE AS DEFINED IN THE SIP.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: KAMAN AEROSPACE CORP. THOMAS RD — GILMAN, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 011-0001
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY) — JOLENE CRANE (AGENCY CONTACT PERSON) — (203)-566-8230 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/05/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT	16.10 LB/H	VOC	16.1000 LB/H 12.6000 T/YR	LIMITED COATING USE	
		PM		NEGLIGIBLE WATER WALLED BOOTH	
SPRAY BOOTH, PAINT	4.80 LB/H	VOC	4.8000 LB/H 5.2000 T/YR	LIMITED COATING USE	
		PM	0.0020 LB/H 0.0010 T/YR	DRY FILTERS	99.91

NOTES --------
SOURCE PRESENTLY EXEMPT FROM CTG LIMIT OF 3.5 LB VOC/GAL COATING MINUS H2O & EXEMPT SOLVENT. WILL BE SUBJECT TO CTG LIMIT UPON ADOPTION OF NEW REGULATIONS. SOURCE WILL BE REQUIRED TO COMPLY THROUGH COATING REFORMULATION OR USE OF ADD-ON CONTROLS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS — 880.00 GAL/YR

COMPANY NAME/SITE LOCATION: MELINK SAFE CO. FILE DIVISION — WHITEHOUSE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-378
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — JEFFREY THADDLE (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1979

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, 2 EA	440.00 GAL/YR	VOC	3.0000 LB/GAL	VOC CONTENT LIMIT	SIP
COATING LINE, 2 EA	8.00 UNITS/H	VOC	3.0000 LB/GAL	VOC CONTENT LIMIT	SIP

NOTES --------
COATING METAL FILE CABINETS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: MICHIGAN SEAT CO. JACKSON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 419-85B
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DAVID YANOCHKO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/15/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINTING, METAL PARTS	13500.00 GAL/YR	VOC	2.9000 LB/GAL 23.7000 T/YR SEE NOTES		BACT

NOTES --------
LB/GAL LIMITS ARE COATING MINUS H2O AS APPLIED. ROBOTIC, ELECTROSTATIC APPLICATION EQUIPMENT WILL INCREASE TRANSFER EFFICIENCY BY 20%. EQUIPMENT IS OVER-MANUAL AIR-ASSISTED AIRLESS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: MIDWEST BRAKE BOND, 26255 GROESBECK HWY, WARREN, MI

DETERMINATION IS
PERMIT NO. 5-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
LYNN FIEDLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/16/88
ESTIMATED DATE OF START-UP-- 1972
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BONDING, BRAKE	1500.00 GAL/YR	VOC	5.4600 LB/GAL MINUS H2O 4.1000 T/YR	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: O-Z GEDNEY CO. PLYMOUTH, CT
MAIN ST

DETERMINATION IS BACT
PERMIT NO. 147-0005
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ERNEST BOUFFARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/21/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT, AUTOMATIC	1.39 T/YR	VOC	1.3900 T/YR ELECTROSTATIC LIMIT HRS OF OPERATION, WATER BASED FORMULA	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

ID NUMBER CT-0042

SOURCE TYPE CODE 4.7

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: PLEXCO , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 206015
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. FLEISHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(714)-872-6065 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLASTING, ABRASIVES	133250.00 LB/H	PM	150.0000 LB/D	BAGHOUSE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: PRO-STEEL, INC. — FORT WORTH, TX — TARRANT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 17488
DETERMINATION MADE BY TEXAS ACB (AGENCY) — JIM KAMRATH (AGENCY CONTACT PERSON) — (517)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/23/87
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY PAINTING		PM	0.1000 T/YR	PROCESS CHANGE, SEE NOTE	BACT
		VOC	33.4000 T/YR		

NOTES --------
AIR-ASSISTED, AIRLESS SPRAY GUN IS USED TO REDUCE PAINT & EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION QUALITY METAL FINISHING CORP. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 149332
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
ABID LATIF (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/12/86
ESTIMATED DATE OF START-UP-- 1987
(818)-571-5133 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH		VOC	260.0000 LB/D	LOW SOLVENT COATING	BACT

NOTES --------
LOW SOLVENT COATING ARE DEFINED IN DISTRICT RULE 1107 & CONSIDERED TO BE BACT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: REDICK ENTERPRISES, INC. SPRING LAKE, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 710-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

LINDA HARDELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/30/87
ESTIMATED DATE OF START-UP-- 1987
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINT BOOTHS, POWDER, 2	260.00 LB/YR	VOC		NO EMISSIONS ELECTROSTATIC POWDER PAINTS	BACT 100.00
		PM10	0.0053 GR/DSCF	BAGHOUSE, CYCLONE	BACT 99.00

NOTES ---------
SPORTS RACKS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: SIERRA TILE , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8605
DETERMINATION MADE BY SACRAMENTO CO. APCD (AGENCY)
ALETA KENNARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/21/88
ESTIMATED DATE OF START-UP--
(916)-366-2107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH		VOC	250.0000 LB/D	LOW VOC COATINGS	BACT

NOTES --------
LOW VOC COATINGS WHICH AT LEAST MEET REQUIRMENTS OF SACRAMENTO APCD RULE 451.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS — 5.00 GAL/H

COMPANY NAME/SITE LOCATION: SUPREME BUMPERS, INC. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-388
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/08/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STROKING MACHINE, 2 EA	4.50 GAL/H	VOC	91.4000 T/YR USE OF COATING H/4.3 LB VOC/GAL, SEE NOTES	SIP
TOUCH-UP BOOTH	0.50 GAL/H	VOC	91.4000 T/YR USE OF COATING H/4.3 LB VOC/GAL, SEE NOTES	SIP

NOTES --------
COATING LIMIT IS EXCLUDING WATER. STROKING MACHINE IS AN AUTOMATIC SPRAY BOOTH.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: TAYLOR BUILDING PRODUCTS, 600 THIRD ST., WEST BRANCH, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 683-85,684-85
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/18/88
ESTIMATED DATE OF START-UP--
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINTING, PRIME	100.00 LB/H, AVG	VOC	3.5000 LB/GAL COATING-H2O AS APPLIED	WATERBORNE PAINT	R/B
MATL APPLICATION, ADHESIVE	100.00 LB/H, AVG	VOC	0.9000 LB/GAL COATING-H2O AS APPLIED	WATERBORNE ADHESIVE	R/B
ENTRANCE DOOR, ENDS		VOC	2.6000 LB/GAL COATING-H2O AS APPLIED	METHYL CHLOROFORM SOLVENT ADHESIVE	R/B

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS — 95.00 SEATS/H

COMPANY NAME/SITE LOCATION: TOYO SEAT USA — IMLAY CITY, MI

DETERMINATION IS
PERMIT NO. 115-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

CHRISTOPHER STOCK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/01/88
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, DIP PAINTING	0.04 GAL/MIN	VOC	2.9600 LB/GAL APPLIED SOLIDS 9.8600 T/YR DIP COATING	BACT 100.00

NOTES --------
BLACK OUT PAINTING OF NON-DECORATIVE AUTOMOBILE INTERIOR PARTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: VACUMET FINISHING, INC. 4662 PUTTYGUT ROAD — ST. CLAIR, MI 48079

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 17-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY) — CHRISTOPHER STOCK (AGENCY CONTACT PERSON) — (517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/23/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINT BOOTH, 3 EA	7.00 EE-3 GAL/MIN	VOC	80.0000 LB/H 3840.0000 H/YR		LAER

NOTES --------
LAER WAS DETERMINED BASED ON 1 LB VOC/GAL AS APPLIED EQUAL TO 5.83

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: VACUMET FINISHING, INC. 4662 PUTTYGUT RD. ST. CLAIR, MI 48079

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 17-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
CHRISTOPHER STOCK (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/23/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINT BOOTH, 3 EA	0.00 GAL/MIN	VOC	80.0000 LB/H 3840 H/YR OPERATION		LAER

NOTES --------
LAER HAS DETERMINED BASED ON LB VOC/GAL AS APPLIED EQUAL TO 5.83

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING - MISC. METAL PARTS/PRODUCTS

COMPANY NAME/SITE LOCATION: WESTERN STEEL & TINPLATE, INC. , CA

DETERMINATION IS
PERMIT NO. 1931
DETERMINATION MADE BY BAY AREA AQMD (AGENCY)

ALEX SASCHIN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/10/89
ESTIMATED DATE OF START-UP--
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, SHEET METAL, & OV*	6000.00 SHEETS/H				
		POC	162.0000 LB/D		BACT
			32.9000 T/YR		
				AFTERBURNER	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE SURFACE COATING - FLATHOOD PANELING

COMPANY NAME/SITE LOCATION BRUCE HARDWOOD FLOORS CENTER, TX SHELBY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18470
DETERMINATION MADE BY TEXAS ACB (AGENCY)
JAMES CUNNINGHAM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/02/88
ESTIMATED DATE OF START-UP-- 1988
(517)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN		VOC	3.1100 T/YR		BACT
COATER, 3		VOC	2.4200 T/YR		BACT
COATER/BRUSHER		VOC	24.1200 T/YR		BACT
UV CURE, 3		VOC	1.7600 T/YR		BACT

NOTES --------
NON-SPRAY, CONTACT APPLICATION OF HIGH SOLIDS ON WOOD & UV-CURING PROCESS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

SOURCE TYPE/SIZE: SURFACE COATING - FLATWOOD PANELING

COMPANY NAME/SITE LOCATION: DHP CORP.
423 HOPEWELL RD.
WAVERLY, OH 45690

DETERMINATION IS
PERMIT NO. 06-2333
DETERMINATION MADE BY OHIO EPA, DAPC
(AGENCY)

MIKE RIGGLEMAN
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/05/89
ESTIMATED DATE OF START-UP--
(614)-644-2270
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAYBOOTH, STAIN	750000.00 PARTS/YR	VOC	6.6000 LB/GAL	CONTROL DEVICE	NSRS 85.00
SPRAYBOOTH, SEALER		VOC	5.2600 LB/GAL	CONTROL DEVICE	NSRS 85.00
SPRAYBOOTH, TOPCOAT		VOC	5.2300 LB/GAL	CONTROL DEVICE	NSRS 85.00
SPRAYBOOTH, WHITE PRIMER		VOC	5.4500 LB/GAL	CONTROL DEVICE	NSRS 85.00
SPRAYBOOTH, WHITE ENAMEL		VOC	4.6900 LB/GAL	CONTROL DEVICE	NSRS 85.00
SANDING		PM	3.1300 T/YR	CYCLONE/BAGHOUSE	NSRS
OVERSPRAY, COATING		PM		WATER WASH OR DRY FILTER MEDIA	NSRS 90.00

NOTES --------
NSRS = NEW SOURCE REVIEW SIP. OHIO EPA RULES REQUIRES BEST AVAILABLE TECHNOLOGY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

SOURCE TYPE/SIZE: SURFACE COATING - FLATWOOD PANELING

COMPANY NAME/SITE LOCATION: KRAFTMAID CABINETRY, INC. 16052 INDUSTRIAL PKWY — MIDDLEFIELD, OH 44062

DETERMINATION IS
PERMIT NO. 02-4115
DETERMINATION MADE BY OHIO EPA, DAPC (AGENCY)

MIKE RIGGLEMAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/11/89
ESTIMATED DATE OF START-UP-- 1989
(614)-644-2270 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAYBOOTH, STAIN	3900.00 CABINETS/D	VOC	6.3000 LB/GAL COATING THERMAL OXIDIZER INCINERATION - 1400F	NSRS 76.00
SPRAYBOOTH, TOPCOAT		VOC	4.7000 LB/GAL COATING THERMAL OXIDIZER INCINERATION - 1400F	NSRS 81.00
SPRAYBOOTH, SEALER/TOPCOAT		VOC	4.7000 LB/GAL COATING THERMAL OXIDIZER INCINERATION - 1400F	NSRS 76.00
SPRAYBOOTH, SEALER		VOC	4.7000 LB/GAL COATING THERMAL OXIDIZER INCINERATION - 1400F	NSRS 81.00

NOTES --------
NSRS= NEW SOURCE REVIEW SIP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

SOURCE TYPE/SIZE: SURFACE COATING - FLATWOOD PANELING

COMPANY NAME/SITE LOCATION: LOUISIANA-PACIFIC CORP. , VA SCOTT COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 11021
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
PAM FAGGERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/02/89
ESTIMATED DATE OF START-UP-- 1990
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, WAFER	19.40 T/H, WET				
		PM	39.3000 T/YR	CYCLONE, 2	
		PM10	16.3000 T/YR	CYCLONE, 2	
		VOC	85.7000 T/YR		
		FOR*	112.8000 LB/D		
			19.8000 T/YR		
		SO2	1.3000 T/YR		
		NOX	23.5000 T/YR		
		CO	33.6000 T/YR		
BURNER, KONUS					
		PM	4.9000 T/YR	CYCLONE/FABRIC FILTER	99.00
		PM10	4.4000 T/YR	CYCLONES/FABRIC FILTER	99.00
		SO2	1.7000 T/YR		
		NOX	31.9000 T/YR		
		CO	45.6000 T/YR		
		VOC	16.0000 T/YR		
MATL. TRANSFER, CONVEYING, FORM*					
		PM	3.9000 T/YR	FABRIC FILTER	99.00
		PM10	3.9000 T/YR	FABRIC FILTER	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DEBARKING					
		PM	2.4000 T/YR		
		PM10	2.4000 T/YR		
TRIMMING GRADING					
		PM	11.6000 T/YR	FABRIC FILTER	99.00
		PM10	11.6000 T/YR	FABRIC FILTER	99.00
PRESS, 2					
		VOC	70.3000 T/YR	TALL STACKS	
		FOR*	72.0000 LB/D		
			13.2000 T/YR	LIMIT RESIN USE	
		PHE*	48.0000 LB/D		
			8.0000 T/YR	LIMIT RESIN USE	
BURNER, KONUS					
		MDI	1.4400 LB/D		
			0.2600 T/YR	LIMIT RESIN USE	

NOTES --------
NOTE 1- PERMIT TO MODIFY A WAFERBOARD PLANT. OPACITY MONITORS REQUIRED ON DRYER & PRESS LOADER STACKS. NOTE 2- PM/PM10 EMISSIO
NS FROM THE DRYER SHALL BE CONTROLLED BY A CYCLONE & A MULTI-CYCLONE SYSTEM FOLLOWED BY 50000 ACFM ELECTRIFIED FILTER
BED FINE DUST COLLECTOR. NOTE 3- THE CYCLONE WILL BE FOLLOWED BY A FABRIC FILTER. NOTE 4- WET WAFER FEED TO THE DRYER NOT TO E
XCEED 19.4 T/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SOLVENT DEGREASING

COMPANY NAME/SITE LOCATION: EIMAC/VARIAN FAB CENTER , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 30832
DETERMINATION MADE BY BAY AREA AQMD (AGENCY)

DATE OF PERMIT ISSUANCE-- 07/12/85
ESTIMATED DATE OF START-UP--
CRAIG ULLERY (AGENCY CONTACT PERSON)
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DEGREASER, VAPOR, DETREX VS-8D0E		VOC	USE OF FREEBOARD CHILLERS	33.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE: SOLVENT DEGREASING

COMPANY NAME/SITE LOCATION: GENERAL MOTORS CORP. SAGINAW DIV. — SAGINAW, MI

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 581-79A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
TOM JULIEN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1973
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DEGREASER, VAPOR, CONVEYORIZED	12.50 GAL/H SOLVE*	VOC	13.9000 LB/H	CARBON ADSORPTION/CONDENSING COILS CHILLED H2O COOLING JACKET	RACT 90.00

NOTES --------
EXISTING SOURCE CONTROLLED TO CORRECT VIOLATIONS OF BACT PERMIT VOC LIMITS & TO REDUCE EXCESSIVE CARCINOGEN RISK FOR TRICHLORO ETHYLENE SOLVENT USED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SOLVENT DEGREASING

COMPANY NAME/SITE LOCATION: IBM GENERAL TECHNOLOGY DIVISION — MANASSASS, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 70261
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/08/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DEGREASING SYSTEM	2.00 T/H				
		VOC	2.3000 LB/H		
			10.1000 T/YR		
				CARBON ADSORBER	95.00

NOTES --------
INSTALL A PERCHLOROETHYLENE DEGREASING & RECOVERY SYSTEM. DEGREASING SYSTEM CONSISTS OF A CONVEYORIZED DEGREASER, BARON-BLAKES LEE, A BACK-UP BATCH DEGREASER, A SOLVENT DISTILLATION/RECOVERY UNIT, & A CARBON ADSORPTION UNIT.
EMISSION RATES HERE BASED ON NET LOSS OF SOLVENT, ANNUAL. VOC EMITTED AS TETRACHLOROETHYLENE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: SOLVENT DEGREASING

COMPANY NAME/SITE LOCATION: MARK INDUSTRIES, INC.
301 ELLA GRASSO DR.
TORRINGTON, CT

DETERMINATION IS BACT
PERMIT NO. 183-0029
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ERNEST BOUFFARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/15/90
ESTIMATED DATE OF START-UP-- 1990
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DEGREASER, VAPOR	3.89 LB/H	VOC	3.8900 LB/H 2000.0000 HRS OF OPERATION	CONDESSER, COVERS	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: WASTE SOLVENT RECLAMATION

COMPANY NAME/SITE LOCATION: MANVILLE FOREST PRODUCTS , CA KERN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 0030008 & 9
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)

TOM PAXSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/06/85
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SOLVENT DEGREASER	70.00 CU FT INTER*	VOC	0.5000 MLB/H	VENT DEGREASER TO EXISTING RECIR. INCIN.	BACT 95.60
SOLVENT DISTILLATION UNIT	70.00 CU FT INTER*	VOC	0.5000 MLB/H	VENT DISTILLER TO EXISTING RECIR. INCIN.	BACT 95.60

NOTES --------
OPERATES 16 H/D, 7 D/WK, 52 WK/YR

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: WASTE SOLVENT RECLAMATION

COMPANY NAME/SITE LOCATION: SOL-PRO/LILYBLAD HAZARDOUS WASTE MANAGE* — TACOMA, WA

DETERMINATION IS
PERMIT NO. 2823
DETERMINATION MADE BY PUGET SOUND APCA (AGENCY)

JAMES NOLAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/01/87
ESTIMATED DATE OF START-UP-- 1988
(206)-344-7355 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EVAPORATOR, THIN FILM		VOC	CONDENSER & BOILER	BACT 99.99
EVAPORATOR, HORIZONTAL		VOC	CONDENSER & BOILER	99.99

NOTES --------
ALL NONCONDENSIBLES FROM THE EVAPORATORS MUST BE BURNED IN THE BOILER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: WASTE SOLVENT RECLAMATION — 200.00 GAL/H

COMPANY NAME/SITE LOCATION: SOLVENT PROCESSORS & RECLAIMERS — CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1451
DETERMINATION MADE BY SOUTHWESTERN OHIO APCA (AGENCY)
FRANK STOY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DISTILLATION UNIT, VACUUM	200.00 GAL/H	VOC	0.0040 LB/H ACTIVATED CARBON FILTERS	BACT 99.90

NOTES --------
WASTE & HALOGENATED SOLVENTS, VAPOR PRESSURES <= 350 MMHG AT 20 DEGREE C, 6.9 PSIA

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: WASTE SOLVENT RECLAMATION

COMPANY NAME/SITE LOCATION: SOLVENT RESOURCE RECOVERY, INC. WEST CARROLLTON, OH

DETERMINATION IS
PERMIT NO. 08-1369
DETERMINATION MADE BY REGIONAL APCA (AGENCY)

DONNA GORBY-LEE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987
(513)-225-4435 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DECANT UNIT, CONTAINER LIQUID	5000.00 LB/H	VOC	40.0000 LB/H 10.0000 T/YR	CONDENSER	BACT 90.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: ADVANCED PRINTING TECHNOLOGY — CAERNARUON TOWNSHIP, PA — BERKS COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 06-320-001
DETERMINATION MADE BY PENNSYLVANIA DER (AGENCY) — ROGER FITTERLING (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/25/88
ESTIMATED DATE OF START-UP--
(215)-270-1920 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, ROTOGRAVURE, 2		VOC	THERMAL INCINERATION	SIP 99.00

NOTES --------
VOC EMISSIONS WILL BE BELOW THE OFFSET REQUIREMENT OF 50 TPY. CAPTURE IS 100%, DESTRUCTION EFF 99%. STACK TEST WILL BE REQUIRED TO DEMONSTRATE 99% DESTRUCTION & 100% CAPTURE. COMBUSTION CHAMBER TEMP TO BE MAINTAINED AT MINIMUM OF 1500F. FACILITY'S COMBINED VOC EMISSION LIMITED TO 100 LB/H , 1000 LB/D, OR 50 T/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: ALCO GRAVURE — CHICAGO, IL

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 84 05 0085
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRISTOPHER ROMAINE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/01/85
ESTIMATED DATE OF START-UP--
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, ROTOGRAVURE		OM	88.0000 % REDUCTION	CARBON ADSORPTION CAPTURE SYSTEM	88.00

NOTES --------
POLLUTANT OM = OVERALL MATERIAL BALANCE CONSISTENT WITH NSPS METHODOLOGY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: AMERICAN PACKAGING CORP. COLUMBUS, WI

DETERMINATION IS BACT
PERMIT NO. 86-IRS-043
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
LINDA WIESE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/05/89
ESTIMATED DATE OF START-UP-- 1982
(608)-267-0553 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, ROTOGRAVURE, #3	8.00 UNIT	VOC	90.1000 LB/H	THERMAL INCINERATOR	BACT 70.00

NOTES --------
SOURCE LIMITED TO 90.1 LB/H VOC. EMISSIONS BASED ON A MONTHLY AVERAGE. INCINERATOR OPERATING AT 1400 F.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: AMGRAPH PACKAGING, INC.
90 VERSAILLES RD
VERSAILLES, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 170-0004
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
MARK PEAK (AGENCY CONTACT PERSON)
(203)-566-8230 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/12/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, WOLVERINE	4.35 GAL/H	VOC	2.6300 LB/GAL MINUS H2O	WATER BASED COATING	
PRINTING PRESS, ROTOMEC	2.72 GAL/H	VOC	1.9400 LB/GAL MINUS H2O	WATER BASED COATING	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: COLONIAL HEIGHTS PACKAGING, INC. — COLONIAL HEIGHTS, VA

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 50833
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

DATE OF PERMIT ISSUANCE-- 07/31/89
ESTIMATED DATE OF START-UP-- 1989

CHARLIE HOLMES (AGENCY CONTACT PERSON)
(804)-786-5478 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, ROTOGRAVURE, RO*		VOC	59.0000 LB/H		BACT
			162.0000 T/YR		
				INCINERATOR	80.00
		NON*		EXEMPT	
				INCINERATOR	80.00
PRINTING PRESS, ROTOGRAVURE, ZE*		VOC	44.0000 LB/H		BACT
			135.0000 T/YR		
				INCINERATOR	80.00
		NON*		EXEMPT	
				INCINERATOR	80.00
PRINTING PRESS, ROTOGRAVURE, NE*		VOC	32.9000 LB/H		LAER
			90.0000 T/YR		
				INCINERATOR	90.00
		NON*		EXEMPT	LAER
				INCINERATOR	90.00

NOTES --------
NOTE 1 - MODIFY TWO 8-STATION ROTOGRAVURE PACKAGING PRINTING PRESSES, & CONSTRUCT A 5-STATION ROTOGRAVURE PACKAGING PRINTING PRESSES, REPLACING A COKER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: COORS PACKAGING CO. , TN

DETERMINATION IS
PERMIT NO. 996650,-1,-2,-4,-6,-7
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)

BILL CLELAND (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/28/88
ESTIMATED DATE OF START-UP-- 1989
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. STORAGE, TANK	12000.00 GAL	VOC	NEGLIGIBLE		
METALIZER, 2	234.00 LB/H SOLVENT	VOC	9.7500 LB/H		B/L
MATL. APPLICATION, INK DISPENSI*	2000.00 LB/H INK	VOC	3.5000 LB/H		B/L
PRESS, ROTOGRAVURE, 2	31200.00 LB/D	VOC	378.0000 LB/H	THERMAL & CATALYTIC INCINERATORS	B/L 73.00
PRINTER, FLEXO, 2	2880.00 LB/D SOLVENT	VOC	378.0000 LB/H	THERMAL & CATALYTIC INCINERATORS	B/L 69.00
MIXER, INK	34272.00 LB/D SOLVENT	VOC	4.5000 LB/H		B/L

NOTES --------
PRESSES ARE PACKAGING ROTOGRAVURE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: DINAGRAPHICS — CINCINNATI, OH

DETERMINATION IS
PERMIT NO. 14-1188
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
FRANK STOY (AGENCY CONTACT PERSON)
(513)-251-8777 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/24/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, ROTOGRAVURE	4000.00 YARD/H				
		VOC	20.2000 LB/H		BACT
				CATALYTIC INCINERATOR	63.00

NOTES --------
CAPTURE 70%, DESTRUCTION 90%.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: DOPACO, INC. , CA

DETERMINATION IS
PERMIT NO. 87-125-127
DETERMINATION MADE B/ SAN JOAQUIN CO. APCD (AGENCY)
SEYED SADREDIN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/10/87
ESTIMATED DATE OF START-UP-- 1988
(209)-468-3474 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, ROTOGRAVURE, 3		VOC	887.7000 LB/D 84.7500 T/YR	300 G/L VOC CONTENT MAX	75.00

NOTES ---------
CHANGE OF LOCATION & INK TYPE RESULTING IN ERC CREDITS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION GRAVURE PACKAGING, INC. , VA
HENRICO COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 50949
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
WILLIAM PITTS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/30/85
ESTIMATED DATE OF START-UP-- 1985
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, PRINTING, #1	3.00 MMBTU/H				
		VOC	60.0000 LB/H 120.0000 T/YR		
				CARBON ASBORPTION	98.00
PRESS, PRINTING, #2	0.38 MMBTU/H				
		VOC	20.0000 LB/H 30.0000 T/YR		
				CARBON ASBORPTION	98.00
MAINTANCE, CLEAN UP & WASH	5000.00 GAL/YR				
		VOC	17.0000 T/YR		
PRESS, PRINTING, #1 & #2	3.00 MMBTU/H				
		TOL*	63.5100 LB/YR, SEE NOTE 2		
				CARBON ASBORPTION	98.00

NOTES --------
NOTE 1 - CONSTRUCTION OF A ROTOGRAVURE PRINTING PLANT WITH 2 PRINTING PRESS. NOTE 2 - ISOPROPYL ACETATE OR N.P. ACETATE, METHY LE ETHYL KETONE & OTHER ALCOHOLS/ACETATES W/ANY AMOUNT IN ANY COMBINATION WITH TOLUENE NOT TO EXCEED 80 LB/H TOTAL FOR ALL SOLVENTS. NOTE 3 - COMPLIANCE WITH CONTROL STRATEGY WILL BE DETERMINED ON A WEEKLY MATERIAL BALANCE INVENTORY WITH TOTAL SOLVE NTS USED & RECOVERED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION INTERNATIONAL LABEL CLARKSVILLE, TN

DETERMINATION IS B/L FOR A MODIFIED SOURCE.
PERMIT NO. 994884-6
DETERMINATION MADE BY TENNESSEE NSR (AGENCY)
BILL CLELAND (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/09/87
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, ROTOGRAVURE & WASH TANK	1950.00 LB/H				
		VOC	505.0000 T/YR	CARBON BED ADSORB.	B/L 65.00
CYLINDER PREP					
		VOC	14.0000 T/YR		B/L
INK PREP					
		VOC	35.0000 T/YR		B/L

NOTES --------
SOLE SOLVENT IS ISOPROPYL ACETATE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: J.W. FERGUSSON & SONS, INC. RICHMOND, VA

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 50224
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

CHARLIE HOLMES (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/18/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, #1	0.12 T/H	VOC	6.8000 LB/H 20.3000 T/YR	CARBON ABSORP. SYSTEM	73.00
PRESS, #2-5		VOC	140.9000 LB/H 422.9000 T/YR	CARBON ABSORP. SYSTEM	70.00
PRESS, #1-5		NON*	147.7000 LB/H, SEE NOTE#7	CARBON ABSORP. SYSTEM	

NOTES --------
NOTE#1 - PERMIT TO INSTALL A REPLACEMENT ROTOGRAVURE PRESS FOR PRESS #1. NOTE#2 - OVERALL CONTROL EFF. 73%, NEW PRESS #1. NOTE #3 - OVERALL CONTROL EFF. 70%, EXISTING PRESS #2-5. NOTE#4 - VOC REPRESENTS COMBINATION OF TOLUENE, ISOPROPLY ACETATE, HEXANE & METHYLETHYL KETONE. NOTE#5 - 6000 H/YR LIMIT. NOTE#6 - ANNUAL REPORTING REQUIRED. NOTE#7 - THESE VOC EMIS ARE INCLUDE D IN THE EMIS OF THE OTHER TWO PROCESSES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: J.H. FERGUSSON & SONS, INC. — RICHMOND, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50224
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/30/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, #6		VOC	31.8000 LB/H 95.4000 T/YR	CARBON ADSORPTION	73.00
PRESS, #1-5		VOC	147.7000 LB/H 443.0000 T/YR	CARBON ADSORPTION	70.00

NOTES --------
INSTALL AN ADDITIONAL ROTOGRAVURE PRESS. A TEST SOURCE MUST COMPLY WITH VOC, HAZARDOUS WASTE, FORMULA IN PERMIT. NON-CRITERIA EMISSION NOT TO EXCEED 179.5 LB/H IN ANY COMBINATION OF TOLUENE, ISOPROPYL ACETATE, HEXANE & METHYLECHYL KETONE, WITH HEXANE CONCENTRATION A MAXIMUM OF 50% OF MIXTURE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: MAXWELL COMMUNICATIONS CORP. , TN

DETERMINATION IS
PERMIT NO. 997518-9
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)
BILL CLELAND (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/08/89
ESTIMATED DATE OF START-UP-- 1990
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, ROTOGRAVURE, 2	1398.00 LB/H SOLVENT	VOC	90.0000 % OVERALL CONTROL C.B. ADSORBERS	NOTE 98.00

NOTES --------
PUBLICATION ROTOGRAVURE. LIMIT BASED ON BACT/LAER/NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE GRAPHIC ARTS - ROTOGRAVURE 1920.00 T/YR INK

COMPANY NAME/SITE LOCATION MAXWELL GRAPHICS RICHMOND, INC. , VA HENRICO COUNTY

DETERMINATION IS L/N FOR A NEW SOURCE.
PERMIT NO. 50880
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/17/88
ESTIMATED DATE OF START-UP--
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, 10 UNIT MOTTOR	1920.00 T/YR INK	VOC	83.0000 LB/H 364.0000 T/YR	DOUBLE BED SCRUBBER	98.00
		BEN*	0.0200 LB/H 0.0900 T/YR		
		TOL*	3.6800 LB/H 160.7000 T/YR		
		XYL*	2.7000 LB/H 11.8000 T/YR		

NOTES --------
PERMIT TO INSTALL & OPERATE 10 UNIT MOTTER PRESS #744-94, & A CRAFTSHAW "CLASSIC" CARBON BED ADSORBER. OTHER NON-CRITERIA POLL UTANTS ADDRESSED - HEXANE, 3-METHYLHEXANE, HEPTANE, METHYLCYCLOHEXANE, 2-METHYLHEPTANE, 3-METHYLHEPTANE, ETHYL BENZENE, MTP-XYLENES, & O-XYLENE. SOURCE FORMERLY CALLED RICHMOND GRAVURE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE GRAPHIC ARTS - ROTOGRAVURE 2700.00 FT/MIN

COMPANY NAME/SITE LOCATION MEREDITH BURDA LYNCHBURG, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 30124
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/19/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, #507	2700.00 FT/MIN	VOC	172.7900 LB/H 570.2000 T/YR	CARBON ADSORPTION RECOVERY SYSTEM	88.00
PRINTING PRESS, #508	2700.00 FT/MIN	VOC	241.8200 LB/H 798.7000 T/YR	CARBON ADSORPTION RECOVERY SYSTEM	88.00
PRINTING PRESS, #509	2700.00 FT/MIN	VOC	193.4700 LB/H 638.4300 T/YR	CARBON ADSORPTION RECOVERY SYSTEM	88.00
PRINTING PRESS, #602	2700.00 FT/MIN	VOC	16.6400 LB/H 20.0000 T/YR	CARBON ADSORPTION RECOVERY SYSTEM	88.00
PRINTING PRESS, #503-509, & 602	2700.00 FT/MIN	VOC	928.8000 LB/H 2763.0100 T/YR	CARBON ADSORPTION RECOVERY SYSTEM	

NOTES --------
CONSTRUCTION OF NEW ROTOGRAVURE PRESSES & A PROOF PRINTING PRESS. NSPS SUBPART QQ, ROTOGRAVURE PRINTING. THE LURGI CARBON ADSORPTION SYSTEM USED IS RATED AT 88% SOLVENT RECOVERY EFFICIENCY - NSPS IS 84% SOLVENT RECOVERY EFFICIENCY. PRECONSTRUCTION MONITORING & MODELING WERE DONE FOR VOC, TOLUENE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE — 2756.00 FT/MIN

COMPANY NAME/SITE LOCATION: MEREDITH/BURDA — LYNCHBURG, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 30124
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
(804)-786-1433 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/06/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, GRAVURE, #507	2756.00 FT/MIN	VOC	131.8000 LB/H SEE NOTE#7 534.7000 T/YR SEE NOTE#7	CARBON ADSORPTION	85.75

NOTES --------
NOTE#1-PERMIT TO REPLACE 2 GRAVURE PRESSES WITH NEWER UNIT. NEW UNIT IS FASTER/WIDER/MORE EFFICIENT. NOTE#2-OLD UNIT 78.75" WIDE, NEW UNIT 96.5" WIDE. NOTE#3-OLD UNIT 1800FT/MIN, NEW UNIT 2756FT/MIN. NOTE#4-OLD UNITS HOODED WITH EXHAUST TAKE OFFS. ENTIRE ROOM FOR NEW UNIT WILL BE UNDER A NEG. PRESSURE AIR COLLECT SYSTEM. NEW UNIT SHOULD BEAT THE 85.75% SOLVENT REC. OF THE OLD PRESSES. NOTE#5-NET REDUCTION IN EMIS - 47.3 T/YR. NOTE#6-TESTING REQ. FOR TOLUENE. NOTE#7-VOC EMIS ARE TOLUENE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: MULTI-COLOR CORP. CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1177
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
FRANK STOY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/11/87
ESTIMATED DATE OF START-UP-- 1987
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, ROTOGRAVURE	2000.00 LB/H PAPER	VOC	27.6000 LB/H	CARBON ADSORPTION	BACT 66.50

NOTES --------
CAPTURE 70%, COLLECTION 95%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: QUAD/GRAPHICS, INC. LOMERA, MI

DETERMINATION IS
PERMIT NO. 86-RV-074
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)

RAJ VAKHARIA (AGENCY CONTACT PERSON)
(608)-267-2015 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/22/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, PRINTING, ROTOGRAVURE		VOC	193.4000 LB/H, MAX	CARBON ADSORBER/SOLVENT RECOVERY	B/N 85.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: QUAD/GRAPHICS, INC., 925 BADGE ROAD, LAMIRA, MI

DETERMINATION IS BACT
PERMIT NO. 87-RV-083
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
RAJ VAKHARIA (AGENCY CONTACT PERSON)
(608)-267-2015 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/29/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, ROTOGRAVURE, #RG4 & RG5		VOC	128.9600 LB/H 319.8000 T/YR	B/N CARBON ADSORBER SOLVENT RECOVERY SYSTEM	85.00

NOTES --------
THE VOC LIMIT MAY BE REVISED INCLUDING IMPOSING A MORE RESTRICTIVE LIMIT IF APPROPRIATELY BASED ON THE RESULTS OF SOURCE PERFO
RMANCE TEST REQUIRED & THE ACTUAL OPERATING EXPERIENCE OF THE PRESS. EMISSIONS =(GAL INK CONSUMED/MONTH)X
(VOC CONTENT OF INK) X (MONTH/8HRS PRESS OPERATED) X (1-OBSERVED OVERALL EFFICIENCY).

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: QUAD/GRAPHICS, INC. LOMIRA, WI DODGE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 85-IRS-036
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
IMELDA STAMM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/17/85
ESTIMATED DATE OF START-UP-- 1987
(608)-266-0244 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, ROTOGRAVURE, #D*	8.00 UNIT	VOC	85.0000 % OVERALL EFF	CARBON ADSORBER	B/N 85.00
		VE	20.0000 % OPACITY		SIP
PRINTING PRESS, ROTOGRAVURE, #D*	8.00 UNIT	VOC	85.0000 % OVERALL EFF	CARBON ADSORBER	B/N 85.00
		VE	20.0000 % OPACITY		SIP
PRINTING PRESS, PROOF, #D50, S55	4.00 UNIT	VOC	85.0000 % OVERALL EFF	CARBON ADSORBER	B/N 85.00
		VE	20.0000 % OPACITY		SIP

NOTES --------
TWO PUBLICATION ROTOGRAVURE PRESSES & ONE PROOF PRESS ARE CONTROLLED BY ONE CARBON ADSORBER/SOLVENT RECOVERY SYSTEM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: R.J. REYNOLDS TOBACCO CO. PACKAGING DIVISION — WINSTON-SALEM, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 00786-0001
DETERMINATION MADE BY FORSYTH COUNTY EAD (AGENCY)
MARY SCHNENN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/01/89
ESTIMATED DATE OF START-UP-- 1990
(919)-727-8060 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS/LAMINATOR, ROTOGRAVURE, 1*	1000.00 FT/MIN	VOC	705.0000 LB/H, SEE NOTE	REGENERATIVE THERMAL INCINERATOR	BACT 90.25
LAMINATOR, TRIPLEX ROTOGRAVURE,*	1000.00 FT/MIN	VOC		REGENERATIVE THERMAL INCINERATOR	BACT 90.25
LAMINATOR, DUPLEX ROTOGRAVURE, 2	1000.00 FT/MIN	VOC		REGENERATIVE THERMAL INCINERATOR	BACT 90.25
FILM PRESS, ROTOGRAVURE, 8 STAT*	1000.00 FT/MIN	VOC		REGENERATIVE THERMAL INCINERATOR	BACT 90.25

NOTES --------
EQUIPMENT ENCLOSURES DESIGNED FOR 100% CAPTURE WITH AN ESTIMATED EFFECTIVENESS OF 95%. INCINERATORS MINIMUM DESTRUCTION EFFICIENCY - 95%. COMBINED CAPTURE/DESTRUCTION EFFICIENCY OF 90.25%. 705 LB/H LIMIT IS TOTAL FOR ALL EQUIPMENT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION REXHAM CORP. EDINBURGH, IN

DETERMINATION IS
PERMIT NO. PSD (41) 1704
DETERMINATION MADE BY INDIANA DEM (AGENCY)

TIM JONES (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/22/88
ESTIMATED DATE OF START-UP-- 1989
(317)-232-8443 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, ROTOGRAVURE PRINTING	1570.00 T/YR INK	VOC	376.8000 T/YR	THERMAL INCINERATION	BACT 76.00

NOTES --------
NOTE 1 - PRESS IS 52 INCHES WIDE, 9 UNITS, RATED AT 1000 FPM. NOTE 2 - CAPTURE 80%, DESTRUCTION 95%, OVERALL CONTROL 76%. NOTE 3 - COMPLIANCE DETERMINED BY DAILY MATERIAL BALANCE OF SOLVENTS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: SCIENTIFIC GAMES , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 31248
DETERMINATION MADE BY BAY AREA AQMD (AGENCY)
ELLEN LINDER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/05/85
ESTIMATED DATE OF START-UP--
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, ROTOGRAVURE		VOC	INCINERATOR	96.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE

COMPANY NAME/SITE LOCATION: THE SPECIALTY PAPERS CO. DAYTON, OH

DETERMINATION IS BACT
PERMIT NO. 08-896
DETERMINATION MADE BY DAYTON RAPCA (AGENCY)
DONNA GORBY-LEE (AGENCY CONTACT PERSON)
(513)-225-4435 (PHONE)
DATE OF PERMIT ISSUANCE-- ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS/LAMINATOR, ROTOGRAVURE		VOC	84.0000 % CONTROL EFF. CARBON ADSORPTION/SOLVENT RECOVERY SYS.	BACT 84.00

NOTES --------
86% CAPTURE EFF., 98% CONTROL EFF., & 84% OVERALL CONTROL EFF.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE — 19200.00 T/YR INK

COMPANY NAME/SITE LOCATION: VIRGINIA GRAVURE, INC. , VA HENRICO COUNTY

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 50880
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/20/86
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, MOTTER, 10 UNIT	19200.00 T/YR				
		VOC	83.0000 LB/H		
			364.0000 T/YR		
				CRAFTSHAN DOUBLE BED SOLVENT CLASSIC SCRUBBER	98.00
		BEN*	0.0200 LB/H		
			0.0900 T/YR		
		TOL*	3.6800 LB/H		
			160.6400 T/YR		
		XYL*	2.7000 LB/H		
			11.8000 T/YR		

NOTES --------
INSTALLATION OF A TEN UNIT MOTTER PRESS #744-94 & A CRAFTSHAN "CLASSIC" CARBON BED ABSORBER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - ROTOGRAVURE — 295550.00 GAL/YR INK

COMPANY NAME/SITE LOCATION: WILLIAMSBURG PACKAGING — NEWPORT NEWS, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 60913
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
JIM LEHAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/04/85
ESTIMATED DATE OF START-UP-- 1985
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, GRAVURE PRINTING, 2	295550.00 GAL/YR	VOC	92.4000 LB/H 233.6000 T/YR	CARBON ABSORPTION	97.00
		ISO*	60.1000 LB/H 145.3000 T/YR	CARBON ABSORPTION	97.00
		TOL*	27.7000 LB/H 67.1000 T/YR	CARBON ABSORPTION	97.00
		N-P*	4.6000 LB/H 11.2000 T/YR	CARBON ABSORPTION	97.00

NOTES --------
NOTE #1-CONSTRUCTION OF 2 GRAVURE PRINTING PRESSES. NOTE #2-CEM WILL BE INSTALLED TO MEASURE & RECORD CONCENTRATION OF VOC. NO
TE #3-THE POLLUTANTS ISOPROPYL ACETATE, TOLUENE, & N-PROPYL ACETATE (E-ACETATE) ARE NON-CRITERIA POLLUTANTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/08/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: BEMIS CO., INC. TERRE HAUTE, IN

DETERMINATION IS
PERMIT NO. PC (84) 1669
DETERMINATION MADE BY INDIANA DEM (AGENCY)

TERRENCE NOVA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/25/87
ESTIMATED DATE OF START-UP-- 1989
(317)-232-8449 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, FLEXOGRAPHIC, 4		VOC	338.0000 T/YR	CATALYTIC INCINERATION	BACT 72.20

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: BEMIS SPECIALITY FILMS, 2450 BADGER AVE, OSHKOSH, WI

DETERMINATION IS
PERMIT NO. 87-RV-009
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
RAJ VAKHARIA (AGENCY CONTACT PERSON)
(608)-267-2015 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/12/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, PRINTING, 8 COLOR		VOC	98.1100 LB/H, MAX	CATALYTIC OXIDATION	BACT 66.50

NOTES --------
THE HOURLY OPERATION OF THIS PRESS IS LIMITED TO 525 H/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: BEMIS SPECIALITY FILMS, 2650 BADGE AVE, OSHKOSH, WI 54904

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 471009990-J02
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
RAJ VAKHARIA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/07/90
ESTIMATED DATE OF START-UP--
(608)-267-2015 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, FEXOGRAPHIC, 8 *					
		PM	0.1500 LB/MMBTU		SIP
		VOC	SEE NOTE		BACT
				CATALYTIC INCINERATOR	75.00
		VE	20.0000 % OPACITY		SIP

NOTES --------
VOC FROM 8 COLOR FLEXOGRAPHIC PRESS SECTION - 75% OVERALL CONTROL EFFICIENCY. VOC FROM THE COATING LAMINATING SECTION - 2.9 LB VOC/GAL MINUS H2O & BACT - 75% OVERALL CONTROL EFFICIENCY WHEN USING SOLVENT BASED COATINGS. LIMITING THE VOC CONTENT OF THE WATER BASED COATING TO 0.80 LB VOC/GAL COATING LESS H2O.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: BEMIS SPECIALTY FILMS, 2450 BADGER AVE., OSHKOSH, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 87-RV-096
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
RAJ VAKHARIA (AGENCY CONTACT PERSON)
(608)-267-2015 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/20/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER, BSF EXTRUSION, 85					
		VOC	2.9000 LB/GAL MINUS H2O		BACT
			50.0000 LB/H		
				CATALYTIC INCINERATOR	76.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: CADILLAC PRODUCTS — STERLING HEIGHTS, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 200-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
KAREN CARLSON (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/13/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, FLEXOGRAPHIC	80.00 FT/MIN, MAX	VOC	13.2000 LB/H	VOC CONTENT = 2.9 LB/GAL ENCLOSED METERING SYSTEM	BACT

NOTES --------
FLEXOGRAPHIC PRINTING OF AN ADHESIVE & A WATER-BORNE INK ON POLYETHYLENE FILM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: CELLO BAG CO. , MA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2899
DETERMINATION MADE BY PUGET SOUND APCA (AGENCY)

JAMES NOLAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/01/87
ESTIMATED DATE OF START-UP-- 1987
(206)-344-7355 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LAMINATOR, ADHESIVE		VOC	2.0000 LB VOC LESS H2O APPLIED	H2O BASED ADHESIVE	
PRESS, FLEX. PRINTING, KIDDER		VOC		THERMAL INCINERATOR	BACT 60.00

NOTES --------
CONTROL FOR THE KIDDER PRESS IS BASED ON OVERALL , CAPTURE & CONTROL, EFFICIENCY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: DURALAM, INC. — APPLETON, WI — OUTAGAMIE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 89-IRS-096
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
IMELDA STAMM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/16/90
ESTIMATED DATE OF START-UP--
(605)-266-0244 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, FEXOGRAPHIC		VOC	75.0000 %	OVERALL EFF CATALYTIC INCINERATOR	BACT 95.00
		PM	0.1500 LB/MMBTU		SIP
		VE	20.0000 %	OPACITY	SIP

NOTES ---------
THE PM & VE LIMITS ARE FOR THE DRYING OVENS & THE CATALYTIC INCINERATOR, STACK.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: JAITE PACKAGING, INC. AKRON, OH

DETERMINATION IS BACT
PERMIT NO. 16-643
DETERMINATION MADE BY AKRON REGIONAL APHD (AGENCY)
L. MALCOLM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(216)-375-2480 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, FLEXOGRAPHIC		VOC	63.0000 % OVERALL EFF.	INCINERATION	BACT 63.00

NOTES --------
70% CAPTURE, 90% DESTRUCTION, 63% OVERALL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/31/1988

ID NUMBER OH-0142

SOURCE TYPE CODE 4.13

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: MANVILLE FOREST PRODUCTS CORP. , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 0030011
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, PRINTING, FLEXOGRAPHIC &*	325.00 FT/MIN	VOC	36.8400 LB/D PPG PRINTIME INKS	

NOTES --------
PRINTING PRESS - COMBES MODEL VI65-6. WATER BASED INK WITH MAXIMUM 5% BY WEIGHT VOC CONTENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION PRINCETON PACKAGING INC. KENT, MA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2703,2868
DETERMINATION MADE BY PUGET SOUND APCA (AGENCY)
JAMES NOLAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/10/85
ESTIMATED DATE OF START-UP-- 1987
(206)-344-7355 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, FLEX. PRINTING, KIDDER, 5		VOC	CATALYTIC INCINERATOR	BACT 60.00
PRESS, FLEX. PRINTING, M & M		VOC	CATALYTIC INCINERATOR	60.00

NOTES ---------
SOURCE TESTS SHOWED THE KIDDER PRESSES ACHIEVED 67.6% OVERALL CONTROL & THE M & M PRESS ACHIEVED 60.6%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: PRINCETON PACKAGING, INC.
P.O. BOX 557
HAZLETON, PA 18201

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 40-320-002
DETERMINATION MADE BY PENNSYLVANIA BAQC (AGENCY)
MIKE SAFKO (AGENCY CONTACT PERSON)
(717)-826-2531 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/08/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, FLEXOG.,6	1000.00 FT/MIN			
		VOC	1.8300 LB/H	LAER
			CATALYTIC INCINERATOR	98.00

NOTES --------
POTENTIAL VOC EMISSIONS 400 TPY, ACTUAL 11.5 TPY, INCLUDES CLEANUP SOLVENTS. DRE 98% BASED ON 100% CAPTURE EFF & 98% DESTRUCTI ON EFF. THE PRESS IS LOCATED WITHIN THE ENCLOSURE AREA & THE 100% CAPTURE EFF IS ACHIEVED BY MEETING THE ENCLOSURE REQUIREMENTS IN NSPS SUBPART SSS. CATALYTIC INCINERATOR DESIGN INLET VOLUME 5000 SCFM & UTILIZES A CARULITE CATALYST . THE PROCESS USES POLYETHYLENE AS THE SUBSTRATE & THE INKS CONTAIN 70% BY VOL. SOLVENT, 30% BY VOL. SOLIDS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY — 4600.00 FT/MIN

COMPANY NAME/SITE LOCATION: STANDARD PUBLISHING — CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1001
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
JIM SADELFELD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/04/86
ESTIMATED DATE OF START-UP-- 1986
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, HEAT SET WEB OFFSET	1200.00 FT/MIN	VOC	2.7700 LB/H	CONDENSER FILTER	BACT 90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: THE PRESS OF OHIO, INC. — BRIMFIELD, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 16-471, 16-422
DETERMINATION MADE BY AKRON REGIONAL AQMD (AGENCY)
L. MALCOLM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/09/86
ESTIMATED DATE OF START-UP-- 1986
(216)-375-2480 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, OFFSET, HEATSET WEB		VOC	2.5300 T/YR	CATALYTIC INCINERATION	90.00
HARRIS HWOPL		VOC	4.1300 T/YR	CATALYTIC INCINERATION	90.00
TIMSON HWOPL, 2		VOC	4.9200 T/YR	FUME CONDENSATION, EQUIV.	90.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - FLEXOGRAPHY

COMPANY NAME/SITE LOCATION: THE SPECIALTY PAPERS CO. — DAYTON, OH

DETERMINATION IS LAER
PERMIT NO. 08-1132
DETERMINATION MADE BY OHIO REGIONAL APCA (AGENCY)
D. GORBY-LEE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/01/86
ESTIMATED DATE OF START-UP-- 1987
(513)-225-4435 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, FLEXOGRAPHIC		VOC	69.0000 % OVERALL CONTROL EFF.	CARBON ADSORPTION SOLVENT RECOVERY SYSTEM	LAER 69.00

NOTES --------
70% CAPTURE EFF., 98% CONTROL EFF., & 69% OVERALL CONTROL EFF.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION: ALLIED PRINTING SERVICES
579 MIDDLE TURNPIKE, WEST
MANCHESTER, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 097-0021
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/30/87
ESTIMATED DATE OF START-UP-- 1988
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, WEB OFFSET PRESS	42.60 LB/H SOLVENT				
		PM	0.0040 LB/H		
		SOX	0.0010 LB/H		
		NOX	0.0880 LB/H		
		VOC	2.9070 LB/H		
				CATALYTIC INCINERATOR	90.00
		CO	0.0180 LB/H		
		PB		NO EMISSION LIMIT GIVEN	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION ANDERSON LITHOGRAPH , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 199134-41, 199149-51
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
JIM SERBIA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(818)-572-6301 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, OFFSET, 5		ROG	528.0000 LB/D FOR PLANT SEE NOTES		BACT

NOTES --------
CONTROL ARE TEC HXC 6000 CATALYTIC AFTERBURNER SERVING BAKER LINES, & TEC HXC 5000 CATAYLTIC A/B SERVING THE M110 & ROTOMAN C.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION: CALIFORNIA OFFSET PRINTERS , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 180437
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
SIDNEY BAKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/19/89
ESTIMATED DATE OF START-UP-- 1989
(818)-571-5190 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, LITHOGRAPHIC, 2					
		VOC	73.0000 LB/D		BACT
				THERMAL OXIDIZER	90.00

NOTES --------
AFTERBURNER HAS INSTALLED TO KEEP RHC BELOW NSR LIMIT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION: GRAPHIC CENTER, 26 TOBEY RD, BLOOMFIELD, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 011-0026
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)

DATE OF PERMIT ISSUANCE-- 10/23/87
ESTIMATED DATE OF START-UP-- 1987
SUSAN AMARELLO (AGENCY CONTACT PERSON)
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, WEB OFFSET, 2	37.94 LB/H INK				
		PM	0.0200 LB/H		
		SOX	0.0020 LB/H		
		NOX	0.4100 LB/H		
		VOC	2.9000 LB/H		
				CAT FUME INCINERATOR	90.00
		CO	0.0800 LB/H		
		PB	0.0800 T/YR		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION: INTERNATIONAL PAPER , CA

DETERMINATION IS
PERMIT NO. 1338
DETERMINATION MADE BY BAY AREA AQMD (AGENCY)

DOUG HALL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, LITHOGRAPHIC SI*	7000.00 SHEETS/H	POC	15.7000 T/YR	CHILLED FOUNTAIN SOLUTION, 45 F OR LESS LOW SOLVENT INKS	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION: JAMES RIVER CORP. KALAMAZOO, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 71-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/20/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, LITHOGRAPHIC, 4		VOC	19.1000 LB/H	FOUNTAIN SOLUTION - <60 DEG F & <25% ALCOHOL B*	LAER
APPLICATOR, VARNISH, FLEXOGRAPH*		VOC	19.1000 LB/H 2.4000 LB/GAL APPLIED		LAER

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION: LITHOGRAPHIX, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 192015, 192016
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
C. TUPAC (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/27/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6200 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, WEB OFFSET & DR*		ROC	40.0000 LB/D	AFTERBURNER	

NOTES --------
CONTROL EQUIPMENT IS NOT COST EFFECTIVE, IE. NOT REQUIRED AS BACT. REQUIRED CONTROL, 84%, TO STAY UNDER NSR THRESHOLD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION MIDWAY PRESS, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 173321, 173328
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
C. TUPAC (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/03/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6200 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, WEB OFFSET, & G*		ROC	52.0000 LB/D	AFTERBURNER	

NOTES ---------
CONTROL EQUIPMENT IS NOT COST EFFECTIVE & NOT REQUIRED AS BACT. REQUIRED CONTROL, 85%, TO STAY UNDER NSR THRESHOLD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION: OUTDOOR EMPIRE PUBLISHING — SEATTLE, WA

DETERMINATION IS
PERMIT NO. 2843
DETERMINATION MADE BY PUGET SOUND APCA (AGENCY)

JAMES MOLAM (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/01/86
ESTIMATED DATE OF START-UP-- 1987
(206)-344-7355 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, WEB OFFSET LITHOGRAPHIC		VOC		BACT
			FUME INCINERATOR	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION: R.R. DONNELLEY & SONS CO. — OLD SAYBROOK, CT
SCHOOL HOUSE RD

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 142-0022
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY) — ANITA MASIN (AGENCY CONTACT PERSON) — (203)-566-8230 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/24/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, WEB OFFSET		PM	0.0047 LB/MMBTU	COMBUSTION METHODS	
		SOX	4.4000 E-4 LB/MMBTU	COMBUSTION METHODS	
		NOX	0.0940 LB/MMBTU	COMBUSTION METHODS	
		VOC	4.8700 LB/H	THERMAL INCINERATOR	95.00
		CO	0.0190 LB/MMBTU	COMBUSTION METHODS	

NOTES --------
MAX INK RATE - 266 LB/H, MAX FOUNTAIN SOLVENT RATE - 555 LB/H, MAX WASH SOLVENT RATE - 2.8 LB/H, DRYER FIRING RATE - 6.6 MMBTU /H/DRYER, AFTERBURNER FIRING RATE - 7.2 MMBTU/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY) — 4000.00 FT/MIN

COMPANY NAME/SITE LOCATION: UNITED COLOR PRESS — MONROE, OH — BUTLER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1053
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
DEBORAH ASHWORTH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/03/86
ESTIMATED DATE OF START-UP-- 1986
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, HEAT SET WEB OFFSET, 2 EA	1000.00 FT/MIN	VOC	1.3000 LB/H	CATALYTIC INCINERATOR	BACT 90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION: UNITED SERVICE ADVERTISING — MEMPHIS, TN

DETERMINATION IS
PERMIT NO. 0374
DETERMINATION MADE BY MEMPHIS COUNTY AP (AGENCY)
JOHN YEGANEH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/14/90
ESTIMATED DATE OF START-UP-- 1990
(901)-576-7653 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, OFFSET, 3		VOC	66.1100 T/YR	THERMAL INCINERATOR	BACT 95.00

NOTES --------
THE INCINERATOR HAS A DESTRUCTION EFFICIENCY OF 95%, CAPTURE EFFICIENCY OF 72% & OVERALL EFFICIENCY OF 68.4%.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OFFSET(LITHOGRAPHY)

COMPANY NAME/SITE LOCATION: H. A. KRUEGER CO. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 182297 THRU 8
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

JIM SERBIA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/11/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6301 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS, LITHOGRAPHIC ME*		ROG	342.0000 LB/D FACILITY LIMIT	THERMAL AFTERBURNER	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OTHER

COMPANY NAME/SITE LOCATION: ARROW INDUSTRIES, INC.
FARMERS BRANCH , TX
DALLAS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18449
DETERMINATION MADE BY TEXAS ACB (AGENCY)
JAMES CUNNINGHAM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/28/88
ESTIMATED DATE OF START-UP-- 1988
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, PRINTING		VOC	37.7900 T/YR	CATALYTIC INCINERATOR	BACT

NOTES --------
OVERALL FACILITY VOC CONTROL EFF IS 75%, BASED ON OVERALL MATERIAL BALANCE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: GRAPHIC ARTS - OTHER — 26400.00 SQFT/H

COMPANY NAME/SITE LOCATION: AVERY LABEL — CINCINNATI, OH — HAMILTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1481
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)

JAMES WARREN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LETTERPRESS, 8 COLOR	12000.00 SQFT/H	VOC	0.0100 KG/KG SOLIDS UV CURABLE HIGH SOLIDS INK/COATING	B/N

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/03/1988

SOURCE TYPE/SIZE: GRAPHIC ARTS - OTHER

COMPANY NAME/SITE LOCATION: CODING PRODUCTS, INC. , MI

DETERMINATION IS BACT
PERMIT NO. 651-89
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
DHRUMAN SHAH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING PROCESS, WEB, SEE NOTE	211.00 LB/H	VOC	0.2400 LB/LB OF SOLIDS APPLIED	BACT
			8.7500 LB/H, SEE NOTE	
			AIRCO SOLVENT RECOVERY SYSTEM SEE NOTE	95.00

NOTES --------
PIGMENT & RESIN TYPE COATING IS APPLIED ON A THIN POLYESTER FILM, ROLL COATER. ALL VOC LOSSES ARE FUGITIVE TYPE. MECHANICAL RE FRIGERATION SYSTEM - LIQUID NITROGEN IS VAPORIZED & USED & REUSED AS A CARRIER GAS THRU THE OVEN, CLOSED LOOP SYSTEM. SIMILAR PROCESS/CONTROL UNIT IS IN OPERATION AT THIS FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OTHER

COMPANY NAME/SITE LOCATION: CURWOOD, INC. 718 HIGH ST. NEW LONDON, WI

DETERMINATION IS
PERMIT NO. 87-RV-001
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)

RAJ VAKHARIA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/12/87
ESTIMATED DATE OF START-UP-- 1988
(608)-267-2015 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS,PRINTING, 8 COLOR		VOC	163.0000 LB/H, MAX	CATALYTIC INCINERATOR	BACT 71.25

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: GRAPHIC ARTS - OTHER

COMPANY NAME/SITE LOCATION: GRANDVILLE PRINTING CO. — GRANDVILLE, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY) — LINDA HARDELL (AGENCY CONTACT PERSON) — (517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS/DRYER	733.00 FT/MIN	PM	5.0000 % OPACITY	BACT
			CATALYTIC INCINERATOR	95.00

NOTES --------
PM IS ACTUALLY HEAVY CONDENSIBLE ORGANICS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE GRAPHIC ARTS - OTHER

COMPANY NAME/SITE LOCATION MICHIGAN LITHO , MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 452-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

LINDA HARDELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/13/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS		PM	5.9000 T/YR CATALYTIC INCINERATION	98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OTHER

COMPANY NAME/SITE LOCATION: ORGANIC CHEMICALS, INC. GRANDVILLE, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 809-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DHRUMAN SHAH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/27/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DISTILLATION, VACUUM	1500.00 GAL/BATCH, *	MET*	125.0000 MG/CUBIC METER	CALGON CARBON DRUM, 200 LBS OF TYPE BPL CARBON AT 150 CFM	B/U 99.00
		MET*	95.0000 MG/CUBIC METER	CALGON CARBON DRUM, 200 LBS OF TYPE BPL CARBON AT 150 CFM	
		TRI*	24.0000 MG/CUBIC METER	CALGON CARBON DRUM, 200 LBS OF TYPE BPL CARBON AT 150 CFM	
		PER*	11.0000 MG/CUBIC METER	CALGON CARBON DRUM, 200 LBS OF TYPE BPL CARBON AT 150 CFM	

NOTES --------
8 HOUR BATCH CYCLE. A FRESH NEW CARBON DRUM IS REQUIRED FOR EACH BATCH. TYPICAL WT. COMPOSITION - ME2CL2 40%, METHYL CHLOROFOR M 35%, TCE 9%, PERC 4%, SOLIDS 12%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OTHER

COMPANY NAME/SITE LOCATION: R.R. DONNELLEY & SONS CO. — RENO, NV — WASHOE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. NV 84-01
DETERMINATION MADE BY EPA REGION IX (AGENCY)

BOB BAKER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/21/85
ESTIMATED DATE OF START-UP-- 1987
(415)-974-8923 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING FACILITY					
		SO2	51.0000 LB/H, 2 H AVG	NAT GAS PRIMARY FUEL/LOW S OIL BACKUP	
		VOC	1365.0000 LB/H, ROTOGRAVURE PRESS		
			194.0000 LB/H, OFFSET PRESS	ACTIVATED CARBON ADSORPTION SYSTEM	81.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE GRAPHIC ARTS - OTHER

COMPANY NAME/SITE LOCATION SOUTH COAST PRINTING, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 183978 THRU 9
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

ED GUY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/05/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6146 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRINTING PRESS		ROC	75.0000 LB/D	AFTERBURNER	BACT 90.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GRAPHIC ARTS - OTHER — 6500.00 GAL/YR

COMPANY NAME/SITE LOCATION: STONE CONTAINER CORP. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-332
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/04/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, PRINTING	6500.00 GAL/YR	VOC	4.0000 T/YR H2O BASED INK,MAX 2.8 LB VOC/GAL-H2O	SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: GRAPHIC ARTS - OTHER

COMPANY NAME/SITE LOCATION: THE MORRILL PRESS — FULTON, NY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NEW YORK STATE DEC (AGENCY)
JAMES HARRINGTON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/07/88
ESTIMATED DATE OF START-UP--
(518)-457-2044 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRESS, 9 COLOR CERUTTI	36.00 INCH WEB WI*	VOC	58.0000 T/YR	CATYLIC INCINERATOR	BACT 81.00
PRESS, 11 COLOR CERUTTI	36.00 INCH WEB WI*	VOC	80.0000 T/YR	CATYLIC INCINERATOR	BACT 81.00

NOTES --------
FACILITY WIDE VOC EMISSIONS WILL NOT EXCEED 793 T/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: DRY CLEANING

COMPANY NAME/SITE LOCATION: A-ONE CLEANERS, INC. — FALLS CHURCH CITY, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 71932
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/29/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS, DRY CLEANING					
		VOC	0.4500 LB/H 0.4000 T/YR OPERATING SCHEDULE		

NOTES --------
INSTALL A DRY CLEANING MACHINE. SOLVENT RECOVERY IS MIRACLEAN LAVA 50. VOC EMITTED AS PERCHLOROETHYLENE. A NON-CRITERIA POLLUTANT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE DRY CLEANING 300.00 LB/D

COMPANY NAME/SITE LOCATION DEL REA CLEANERS TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-375
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/21/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRY CLEANING MACHINE	35.00 LB	VOC	NOT APPLICABLE CONDENSER	SIP 96.00

NOTES --------
DRY-TO-DRY DRY CLEANING MACHINE USING PERCHLOROETHYLENE

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: DRY CLEANING — 3000.00 LB/D

COMPANY NAME/SITE LOCATION: MAJOR INDUSTRIAL TEXTILE SERVICE — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-398
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — LINDA FURLOUGH (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRY CLEANING MACHINE, 3 EA	105.00 LB	VOC	NOT APPLICABLE SOLVENT CONDENSER	S/N

NOTES --------
USE OF STODDARD PETROLEUM SOLVENT. THE FLOW RATE OF RECOVERED SOLVENT FROM THE RECOVERY DRYER SHALL BE NO GREATER THAN 0.05 L/ MIN AT THE TERMINATION OF THE RECOVERY CYCLE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: DRY CLEANING — 3000.00 LB/D

COMPANY NAME/SITE LOCATION: MAJOR INDUSTRIAL TEXTILE SERVICE — TOLEDO, OH
875 DEARBORN AVE — LUCAS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-398
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — WILLIAM GARBER (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, 3 EA	130.00 LB	VOC	SOLVENT RECOVERY DRYER	NSPS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

SOURCE TYPE/SIZE: DRY CLEANING

COMPANY NAME/SITE LOCATION: ONE HOUR MARTINIZING — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-493
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)

DALE KRYGIELSKI (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/02/88
ESTIMATED DATE OF START-UP-- 1988
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYCLEANING, PERC.	35.00 LB/H	VOC	0.7000 T/YR	DRY/DRY H/CONDENSER	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: DRY CLEANING

COMPANY NAME/SITE LOCATION: PRUDENTIAL OVERALL SUPPLY , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 158386
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

MOHAN BALAGOPALAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/16/87
ESTIMATED DATE OF START-UP-- 1987
(714)-877-3571 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRY CLEANING EQUIPMENT		PER*	75.0000 LB/D, SEE NOTES CARBON ADSORPTION UNIT	BACT

NOTES --------
THIS DRY CLEANING EQUIPMENT REPLACES AN EXISTING UNIT. EMISSION REDUCTION OF 137 LB OF REACTIVE HYDROCARBONS IS ACHIEVED WITH THIS REPLACEMENT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: DRY CLEANING

COMPANY NAME/SITE LOCATION: QUALITY CLEANERS — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-481
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/31/88
ESTIMATED DATE OF START-UP-- 1988
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYCLEANING, PERC.	30.00 LB/H	VOC	0.7000 T/YR	DRY/DRY W/CONDENSER	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: DRY CLEANING — 310.00 LB/H TOTAL

COMPANY NAME/SITE LOCATION: RUSSELL'S FORMAL WEAR — TOLEDO, OH

DETERMINATION IS
PERMIT NO. 04-465
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/04/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, PERC. 2 EA	80.00 LB	VOC	100.0000 PPM	CARBON ADSORBER	BACT
STILL, PERC		VOC	60.0000 % PERC IN WASTE	MINIMUM PERC	BACT
FILTER, PERC		VOC		DRAIN FOR 24 HOURS DISP. CART.	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: DRY CLEANING — 300.00 LB/D

COMPANY NAME/SITE LOCATION: STRATER CLEANERS — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-361
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/13/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRY CLEANING MACHINE	35.00 LB	VOC	NOT APPLICABLE VAPOR CONDENSER	SIP 90.00

NOTES ---------
PERCHLOROETHYLENE DRY-TO-DRY DRY CLEANING MACHINE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: DRY CLEANING — 300.00 LB/D

COMPANY NAME/SITE LOCATION: STRATER CLEANERS — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-362
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/13/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRY CLEANING MACHINE	40.00 LB			
		VOC	NOT APPLICABLE	SIP
			VAPOR CONDENSER	90.00

NOTES --------
SUPREMA DRY-TO-DRY MACHINE USING PERCHLOROETHYLENE

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: DRY CLEANING — 3500.00 LB/D

COMPANY NAME/SITE LOCATION: SUPERIOR OVERALL LAUNDRY CO. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-390
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/22/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS	CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
DRYER, SOLVENT RECOVERY	105.00 LB	VOC	NOT APPLICABLE	S/N
			SOLVENT CONDENSER	

NOTES --------
THE FLOW RATE OF RECOVERED SOLVENT FROM RECOVERY DRYER SHALL BE NO GREATER THAN 0.05 L/MIN AT THE TERMINATION OF THE RECOVERY CYCLE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: DRY CLEANING — 50.00 LB/LOAD

COMPANY NAME/SITE LOCATION: TOWN & COUNTRY CLEANERS — HAMILTON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-770
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
IRENE YUST (AGENCY CONTACT PERSON)
(513)-251-8777 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/10/85
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER	50.00 LB/LOAD	VOC	100.0000 PPM CARBON ADSORPTION	S/R 96.00
DISTIL.	10.00 GAL	VOC	60.0000 % VOC BY WT., SEE NOTE	S/R
FILTER CARTRIDGE		VOC	DRAIN 24 HRS. PRIOR TO DISPOSAL	S/R

NOTES --------
NOTE - STILL WASTE LIMITED TO 60% VOC BY WEIGHT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE SURFACE COATING OF WOOD FURNITURE 60.00 LB/H

COMPANY NAME/SITE LOCATION DAYSTROM FURNITURE , VA HALIFAX COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30706
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/28/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, LACQUER, 4	60.00 LB/H	VOC	9.7800 LB/H, AVG 51.6000 LB/H, MAX THROUGHPUT LIMIT		
		TOL*	0.5600 LB/H, AVG 3.0000 LB/H, MAX THROUGHPUT LIMIT		
		XYL*	0.3400 LB/H, AVG 1.8000 LB/H, MAX THROUGHPUT LIMIT		
		BUT*	2.9500 LB/H, AVG 15.6000 LB/H, MAX THROUGHPUT LIMIT		
		MI *	0.3400 LB/H, AVG 1.8000 LB/H, MAX THROUGHPUT LIMIT		
		MET*	1.3700 LB/H, AVG 7.2000 LB/H, MAX THROUGHPUT LIMIT		

NOTES --------
CONSTRUCTION OF FOUR SPRAY BOOTHS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

SOURCE TYPE/SIZE: SURFACE COATING OF WOOD FURNITURE

COMPANY NAME/SITE LOCATION: HAMILTON FIXTURES — HAMILTON, OH — BUTLER COUNTY

DETERMINATION IS
PERMIT NO. 14-1401
DETERMINATION MADE BY SOUTHWESTERN OHIO APCA (AGENCY)

LAWRENCE HARRELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/13/88
ESTIMATED DATE OF START-UP-- 1988
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT, 4	30.00 GAL/D	VOC	2.3000 LB/GAL MINUS H2O WATER-BASED COATINGS	BACT 72.00

NOTES --------
OVERALL VOLUME WEIGHTED AVERAGE VOC CONTENT. 94% OF THE COATINGS USED ARE WATER-BASED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: SURFACE COATING OF WOOD FURNITURE

COMPANY NAME/SITE LOCATION: HAWORTH, INC. — HOLLAND, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 476-88
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/20/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, FIBERBOARD	11.50 MMSQFT/YR				
		VOC	1.7000 LB/GAL APPLIED SOLIDS		LAER
			2.2000 LB/H		
				CARBON & INCINERATION	95.00
COATING, VENEER	3.00 MMSQFT/YR				
		VOC	12.7000 LB/GAL APPLIED SOLIDS		LAER
			20.4000 LB/H		
				CARBON & INCINERATION	74.00

NOTES --------
CONTROL REQUIRED ON AUTOMATIC BOOTHS ONLY, FOR EACH LINE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF WOOD FURNITURE

COMPANY NAME/SITE LOCATION: HENRY LINK CORP. LEXINGTON, NC DAVIDSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 6047
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)

MIKE SEWELL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/29/87
ESTIMATED DATE OF START-UP-- 1987
(919)-733-3340 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, WATER WASH	19200.00 GAL/YR	VOC	113.8000 T/YR	AIRLESS SPRAYING	
SPRAY BOOTH, DRY FILTER	19200.00 GAL/YR	VOC	113.8000 T/YR	AIRLESS SPRAYING	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE: SURFACE COATING OF WOOD FURNITURE

COMPANY NAME/SITE LOCATION: HERMAN MILLER, INC. — ZEELAND, MI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 264-85A
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/18/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, STAIN	2.80 MMSQFT/YR	VOC	6.6000 LB/GAL		LAER
			11.6000 LB/H	THERMAL INCINERATOR - FLASH-OFF & OVENS	25.00
COATING, SEALER	5.60 MMSQFT/YR	VOC	5.5000 LB/GAL		LAER
			4.8000 LB/H	THERMAL INCINERATOR - BOOTH & OVENS	85.00
COATING, TOPCOAT	5.60 MMSQFT/YR	VOC	5.7000 LB/GAL		LAER
			4.9000 LB/H	THERMAL INCINERATOR - BOOTH & OVENS	85.00

NOTES --------
ALL BOOTHS USE AIR-ASSISTED AIRLESS APPLICATION EQUIPMENT, WITH AN ASSUMED TRANSFER EFFICIENCY OF 50%. COATING MATERIAL USAGE ALSO LIMITED FOR ALL OPERATIONS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: SURFACE COATING OF WOOD FURNITURE

COMPANY NAME/SITE LOCATION: IMPACT FURNITURE CO. HILDEBRAN, NC

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 6164
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/12/87
ESTIMATED DATE OF START-UP-- 1987
(919)-733-3340 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, BAFFLE TYPE, 4	76.80 GAL/D				
		VOC	21.5000 T/MONTH		
			258.0000 T/YR		
				AIRLESS SPRAYING, 'RULE 66' FINISHING MATL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/20/1987

SOURCE TYPE/SIZE: SURFACE COATING OF WOOD FURNITURE

COMPANY NAME/SITE LOCATION: PEERLESS WOODWORKING CORP., 32 ROARING BROOK PLAZA — EAST GLASTONBURY, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 064-0007
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY) — SUSAN AMARELLO (AGENCY CONTACT PERSON) — (203)-566-8230 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/07/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, #1	46.20 LB/H COATING	VOC	16.4400 LB/H SEE NOTES		
SPRAY BOOTH, #2	46.20 LB/H COATING	VOC	16.4400 LB/H SEE NOTES		

NOTES --------
COATING COMPOSITION MUST NOT EXCEED 35.6% VOC OR 3.4 LB VOC/GAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING OF WOOD FURNITURE

COMPANY NAME/SITE LOCATION: PETERS REVINGTON FURNITURE — DELPHI, IN — CARROLL COUNTY

DETERMINATION IS
PERMIT NO. PSD (08) 1692
DETERMINATION MADE BY INDIANA DEM (AGENCY)
D. ZELL (AGENCY CONTACT PERSON)
(317)-232-8456 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/14/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOOTH, TONER		VOC	6.3000 LB/GAL CTG - H2O	AIR ASSISTED AIRLESS SPRAY	BACT
BOOTH, NGR & SAP STAIN		VOC	6.6200 LB/GAL CTG - H2O	AIR ASSISTED AIRLESS SPRAY	BACT
BOOTH, HASHCOAT		VOC	5.7800 LB/GAL CTG - H2O	AIRLESS SPRAY	BACT
BOOTH, WIPE STAIN		VOC	4.8600 LB/GAL CTG - H2O	AIRLESS SPRAY	BACT
BOOTH, SEALER		VOC	5.5200 LB/GAL CTG - H2O	AIRLESS SPRAY	BACT
BOOTH, LACQUERS		VOC	4.9200 LB/GAL CTG - H2O	AIRLESS SPRAY	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: SURFACE COATING OF WOOD FURNITURE

COMPANY NAME/SITE LOCATION: STOW & DAVIS FURNITURE CO. — KENTWOOD, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 499-86
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) — DAVE FERRIER (AGENCY CONTACT PERSON) — (517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/16/86
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FINISHING, WOOD FURNITURE		VOC	673.5000 T/YR, SEE NOTE	LAER

NOTES --------
VOC LIMIT - COMPLY WITH THE CALIF. SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE #1136 - 673.5 T/YR

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF WOOD FURNITURE

COMPANY NAME/SITE LOCATION: THOMASVILLE FURNITURE INDUSTRIES — SMETHPORT, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 6382
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY) — MIKE SEWELL (AGENCY CONTACT PERSON) — (919)-733-3340 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/14/88
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, 15	190500.00 GAL/YR				
		VOC	6674.0000 LB/D, PLANTWIDE		
			600.0000 T/YR, 12 MO ROLL AVG		
				AIRLESS/AIR-ASSISTED AIRLESS SPRAYING	
				NON-PHOTOCHEMICALLY REACTIVE MATLS	
BOILER, WOOD FIRED, 3 EA	23.03 MMBTU/H, AV*				
		VOC			
				PROPER OPERATING PROCEDURES	
				PROPER MAINTENANCE,GOOD COMBUSTION	

NOTES --------
THE AIR PERMIT CONTAINS EMISSION LIMITS TO AVOID PSD APPLICABILITY FOR THE BOILERS. TWO OF THE THREE BOILERS ARE RATED AT 16.7 MMBTU/H. THE OTHER IS RATED AT 35.7 MMBTU/H.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

SOURCE TYPE/SIZE: SURFACE COATING OF WOOD FURNITURE

COMPANY NAME/SITE LOCATION: THOMASVILLE FURNITURE INDUSTRIES, INC. LENOIR, NC CALDWELL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 4172R7
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/11/87
ESTIMATED DATE OF START-UP-- 1988
(919)-733-3340 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, BAFFLE/FILTER TYPE*	134609.00 GAL/YR	VOC	88.2500 T/MONTH 353.0000 T/YR	AIRLESS SPRAYING "RULE 66" FINISHING MATL	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: ALBAR INDUSTRIES, INC. LAPEER, MI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 405-87
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
KAREN CARLSON (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/18/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LINE #1, PRIME COAT		VOC	11.3900 LB/GAL OF APPLIED SOLIDS, 24H AVG 4.5900 LB/GAL APPLIED SOLIDS, MON AVG	INCINERATOR, SEE NOTE	LAER
LINE #2, PRIME COAT		VOC	14.7100 LB/GAL OF APPLIED SOLIDS, 24H AVG 11.2300 LB/GAL APPLIED SOLIDS, MON AVG	INCINERATOR, SEE NOTE	LAER
LINE #1, BASE COAT		VOC	13.0000 LB/GAL OF APPLIED SOLIDS, 24H AVG 10.3300 LB/GAL APPLIED SOLIDS, MON AVG	INCINERATOR, SEE NOTE	LAER
LINE #2, BASE COAT		VOC	15.9000 LB/GAL OF APPLIED SOLIDS, 24H AVG 12.6700 LB/GAL APPLIED SOLIDS, MON AVG	INCINERATOR, SEE NOTE	LAER
LINE #1, CLEAR COAT		VOC	4.9500 LB/GAL OF APPLIED SOLIDS, 24H AVG 4.9500 LB/GAL APPLIED SOLIDS, MON AVG	INCINERATOR, SEE NOTE	LAER
LINE #2, CLEAR COAT		VOC	6.0800 LB/GAL OF APPLIED SOLIDS, 24H AVG 6.0800 LB/GAL APPLIED SOLIDS, MON AVG	INCINERATOR, SEE NOTE	LAER

NOTES --------
OVERALL CONTROL EFFICIENCY ON THE INCINERATOR IS 56%. CONTROL EFFICIENCY ON THE OVEN & THE FINAL INCINERATOR DESTRUCTION FLASH -OFF IS 95%.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: BRYON CUSTOM PLASTICS — KENTON, TN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 995390P
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)
MERVAT AHMED (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(615)-741-3931 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, 25 EA		VOC	6.2000 LB/GAL COATING APPLIED	LAER

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: DETROIT PLASTIC MOLDING CO. — STERLING HEIGHTS, MI

DETERMINATION IS BACT
PERMIT NO. 82-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

CHRIS STOCK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, SM PARTS, PRIME COAT		VOC	9.2600 LB/GAL APPLIED SOLIDS	B/N 50.00
COATING, SM PARTS, COLOR COAT		VOC	7.9100 LB/GAL APPLIED SOLIDS	B/N 50.00
COATING, SM PARTS, TEXTURE COAT		VOC	7.9100 LB/GAL APPLIED SOLIDS	B/N 50.00
COATING, SM PARTS, TOUCH-UP COAT		VOC	3.9500 LB/GAL APPLIED SOLIDS	B/N 100.00

NOTES --------
TRANSFER EFFICIENCY DEMONSTRATED BY TESTING.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS — 600.00 T/YR

COMPANY NAME/SITE LOCATION: EVART PRODUCTS CO., 601 M. 7TH ST. — SUART, MI 49631

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 521-88
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/21/89
ESTIMATED DATE OF START-UP-- 1983
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINT BOOTH, BASECOAT, 5		VOC	5.1000 LB/GAL AS APPLIED	ELECTROSTATIC SPRAY	BACT
PAINT BOOTH, CLEARCOAT, 5		VOC	4.2000 LB/GAL AS APPLIED	ELECTROSTATIC SPRAY	BACT

NOTES --------
PLASTIC IS TPO/ POLYRTHYLENE, POLYBUTYLENE, ETC /WHICH REQUIRES PREP-COAT AT 6.8 LB VOC PER GAL APPLIED IN FIRST BOOTH.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: FORD MOTOR CO. SALINE, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 96-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
KAREN CARLSON (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/04/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING MACHINE, 2 TOTAL	0.14 GAL/H	VOC	0.8100 LB/H 1.6700 T/YR		LAER 50.00

NOTES --------
AUTOMATIC AIR ATOMIZED APPLICATION EQUIPMENT, 5.8 LB VOC/GAL COATING AS APPLIED, INTERIOR PLASTIC PART WITH AIR DRIED COATING.
MACHINE CONSISTS OF TWO SPRAY BOOTHS & TWO LOW TEMPERATURE DRYING ZONES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: GENERAL MOTERS CORP. INDLAND DIV, ADRIAN PLANT — ADRIAN, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 179-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY) — PAUL SCHLEUSENER (AGENCY CONTACT PERSON) — (517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/09/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE	53.00 PART/H			
		VOC	9.7500 LB/GAL APPLIED SOLIDS	LAER

NOTES --------
PROCESS COATS ARE ONLY PART OF THE INSTRUMENT PANEL. MASS TRANSFER EFFICIENCY = 35%. ROBOTIC, HIGH VOLUME/LOW PRESSURE APPLICATORS. WATERBORNE COATING.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: I. I. STANLEY , MI CALHOUN COUNTY

DETERMINATION IS
PERMIT NO. 419-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
CHRISTOPHER STOCK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/01/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, PRIMER BOOTH		VOC	3.5800 LB/GAL		BACT
COATING, CLEARCOAT BOOTH		VOC	7.0000 LB/GAL		BACT

NOTES --------
COATING REFLECTIVE SURFACE ON ATUO HEADLIGHTS. AUTOMATED, AIR-ATOMIZED SPRAY GUNS. ALUMINUM IS APPLIED BY VACUUM METALIZATION IN BETHEEN PRIME & CLEAR COATS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: I. I. STANLEY — BATTLE CREEK, MI — CALHOUN COUNTY

DETERMINATION IS
PERMIT NO. 309-87A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

CHRISTOPHER STOCK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/26/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINT BOOTH, 5		VOC	5.4000 LB/GAL	BACT
PAINT BOOTH		VOC	4.6000 LB/GAL	BACT

NOTES --------
COATING OF PLASTIC TURN SIGNAL PARTS WITH REFLECTIVE COATING.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: I. I. STANLEY — BATTLE CREEK, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 1035-89
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
LINDA DAVIS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/16/90
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, 8		VOC	5.3800 LB/GAL AS APPLIED HVLP GUNS	BACT

NOTES: --------
REFLECTIVE COATING ON PLASTIC AUTO HEAD/TAIL LIGHTS. LOWER VOC THAN VACUUM METALIZING.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: JIM ROBBINS CO., 3800 LAPEER ROAD, AUBURN HILLS, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 798-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DANITA BRANDT (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/15/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, 4	2480.00 GAL/MONTH	VOC	6.0800 LB/GAL COAT MINUS H2O, 24H AVG 41.6000 PPH	HIGH VOLUME/LOW PRESSURE SPRAY EQUIP	BACT
CLEAN-UP, SOLVENT	496.00 GAL/MONTH	VOC	0.9000 PPH 20.0000 T/YR	90% RECLAIMATION OF SOLVENTS	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: KEELER MURA KAMI, INC. KENTWOOD, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 1090-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DANITA BRANDT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/06/90
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING BOOTH, AUTOMATIC PREP		VOC	6.4400 LB/GAL COATING	REGENERATIVE OXIDIZER	BACT 95.00
COATING BOOTH, AUTOMATIC, COLOR		VOC	5.8000 LB/GAL COATING	REGENERATIVE OXIDIZER	BACT 95.00
OVEN & FLASH-OFF		VOC	1.0000 LB/H	THERMAL OXIDIZER	BACT 95.00

NOTES --------
LINE CONSISTS OF 5 BOOTHS - A PREPCOAT, AN AUTOCOLOR, A MANUAL COLOR, A MANUAL CLEAR COAT, & AN AUTO CLEARCOAT. FLASH FROM PRE P BOOTH, MANUAL COLOR, & AUTO CLEARCOAT ARE CONTROLLED WITH OVEN EMISSIONS. PREPCOAT BOOTH, 25% TRANSFER EFFICIENCY, BOOTH/FLASH SPLIT, 50/50. REST OF BOOTHS, 4, - 33% TE FOR MANUAL, 35% TE FOR AUTOMATIC

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: LACKS INDUSTRIES — SARANAC, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 133-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/20/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINTING, PLASTIC, PRIME ONLY	54520.00 PARTS/MONTH	VOC	19.0000 LB/H SEE NOTE 66.3000 T/YR SEE NOTE	INCINERATION	95.00

NOTES --------
BEFORE 12-15-88 EMISSION RATES WERE AS FOLLOWS - 35.28 LB/GAL APPLIED SOLIDS, MONTHLY AVG & 50.0 LB/GAL APPLIED SOLIDS, 24 HOUR AVG. AFTER 12-15-88 EMISSION LIMITS ARE - 25.23 LB/GAL APPLIED SOLIDS, MONTHLY AVG & 35.75 LB/GAL APPLIED SOLIDS, 24 HOUR AVG. AFTER 12-15-88 INCINERATION OF OVEN EXHAUST & FINAL FLASH-OFF EXHAUST EMISSIONS TO BEGIN. 30% CAPTURE & 95% DESTRUCTION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: LACKS INDUSTRIES, INC. 52ND ST. — KENTWOOD, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 80-89
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/12/90
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, PRIME, AIR DRY		VOC	19.6000 LB/GAL APPLIED SOLIDS, 24H AVG	LAER
			15.7000 LB/GAL APPLIED SOLIDS, MON. AVG	
			INCINERATION	85.00
COATING, BASE, AIR DRY		VOC	31.5000 LB/GAL APPLIED SOLIDS, 24H AVG	LAER
			24.2000 LB/GAL APPLIED SOLIDS, MON. AVG	
			INCINERATION	65.90
COATING, CLEAR, AIR DRY		VOC	11.2000 LB/GAL APPLIED SOLIDS, 24H AVG	LAER
			6.3000 LB/GAL APPLIED SOLIDS, MON. AVG	
			INCINERATION	85.00
COATING, TOPCOAT, AIR DRY		VOC	50.4000 LB/GAL APPLIED SOLIDS, 24H AVG	LAER
			27.0000 LB/GAL APPLIED SOLIDS, MON. AVG	
			INCINERATION	65.90
COATING, PRIME, HIGH BAKE		VOC	8.0000 LB/GAL APPLIED SOLIDS, 24H AVG	LAER
			INCINERATION	85.00
COATING, BASE, HIGH BAKE		VOC	11.0000 LB/GAL APPLIED SOLIDS, 24H AVG	LAER
			INCINERATION	65.90
COATING, CLEAR, HIGH BAKE		VOC	3.8000 LB/GAL APPLIED SOLIDS, 24H AVG	LAER
			90% AIR RECIRCULATION, AUTO BOOTHS	85.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

(CONTINUED) LACKS INDUSTRIES, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINTING		VOC	45.0000 LB/H 93.1000 T/YR		LAER
				SEE NOTES 2 & 4	85.00

NOTES --------
NOTE 1-PRIME & CLEAR COATS APPLIED BY AUTOMATIC ELECTROSTATIC. BASE & TOPCOAT ARE APPLIED SIMILARLY EXCEPT UP TO 25% MAY BE DO NE MANUALLY. NOTE 2-LB/H BASED ON WORST CASE COATING. NOTE 3-TRANSFER EFFICIENCIES BASED ON 35% FOR AUTOMATIC, 25% FOR MANUAL APPLICATORS. NOTE 4-PERMIT CONTAINS ENFORCABLE COATING USAGE LIMITS TO EQUATE TO TONS/YR LIM IT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: MANCHESTER PLASTICS, INC. — MANCHESTER, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 683-84A
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
DAVID YAWOCHKO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/12/90
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT, 6 & OVEN, D*		VOC	6.3000 LB/GAL 57.0000 T/YR	HIGH VOL./LOW PRESSURE APPLICATORS	BACT
WASHER, MASK		VOC	0.0000 LB/H 0.0000 T/YR		BACT

NOTES --------
MASK WASHER USES NON-VOC CHEMICALS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: MARK I MOLDED PLASTICS — JONESVILLE, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 505-88
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/23/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WASHER, MASK		VOC		SOLVENTLESS WASH USED	
PAINTING, PLASTIC PARTS		VOC	5.9700 LB/GAL-H2O 3.8000 LB/H		

NOTES ---------
WATER SOLUBLE MATERIAL CONTAINING NO VOC USED ON MASKS. CLEANED WITH PRESSURE FLOOD WASHING SYSTEM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: MAYCO PLASTICS, INC. STERLING HEIGHTS, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 830-87
DETERMINATION MADE BY MICHIGAN DNR /AQD (AGENCY)

PAUL SCHLEUSENER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/19/89
ESTIMATED DATE OF START-UP-- 1977
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BELT LINES		VOC	5.8600 LB/GAL AS APPLIED 115.0000 LB/GAL COATING SOLIDS APPLIED	LAER
DECO "A"		VOC	5.8900 LB/GAL AS APPLIED 118.0000 LB/GAL COATING SOLIDS APPLIED	LAER
DECO "B"		VOC	5.8900 LB/GAL AS APPLIED 118.0000 LB/GAL COATING SOLIDS APPLIED	LAER
PROCESS, COATING		VOC	5.0000 LB/GAL AS APPLIED	RACT

NOTES --------
BELTLINES, DECO "A", & DECO "B" ARE DAILY AVERAGE LIMITS. PROCESS COATING LIMIT IS EFFECTIVE AFTER 12/31/92, & IS SUBJECT TO C
ERTAIN FOOTNOTES IN THE STATE REGULATIONS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS — 190.00 UNITS/H

COMPANY NAME/SITE LOCATION: PINE RIVER PLASTICS, INC. , MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 377-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DAVID YANOCHKO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/31/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ADHESIVE PROCESS, PLASTIC PARTS	3560.00 GAL/YR ADHE*	VOC	2.1000 LB/H 9.1000 T/YR	WATER-BASED LATEX MASK MATERIAL	BACT

NOTES --------
COMPANY MODIFIED PROCESS TO USE A WATER BASED LATEX MATERIAL, 0.41 LB VOC/GAL, THAT CAN BE PERIODICALLY REMOVED FROM MASKS WIT H ACCUMULATED ADHESIVE. THIS REPLACED USE OF A SOLVENT MASK WASHER PROCESS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: PLASCORE, INC. , MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 1040-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DANITA BRANDT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/28/90
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. APPLICATION, COATING LINE*	2.50 GAL/H	VOC	THERMAL OXIDIZER	LAER 95.00
MATL. APPLICATION, COATING LINE*	2.50 GAL/H	VOC	THERMAL OXIDIZER	LAER 95.00
MATL. APPLICATION, DIP STATION	76.50 GAL/H	VOC	THERMAL OXIDIZER	LAER 95.00
DEVOLATIZING CHAMBER		VOC	THERMAL OXIDIZER	LAER 95.00
OVEN, CURE, 5		VOC	THERMAL OXIDIZER	LAER 95.00

NOTES --------
COATING LINES, GAL/H ADHESIVE USED, APPLIED WITH A ROLL COATER. DIP STATION, GAL/H RESIN USED. CONTROL BASED ON 7.1 LB VOC/MIN LOADING TO THERMAL OXIDIZER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: THE MARK INDUSTRIES, INC.
230 ELLA GRASSO AVE.
TORRINGTON, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 183-0026
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
MARK PEAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/25/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT	5.79 GAL/H, MAX	VOC	8.0000 LB/H 40.0000 LB/D	OPERATING RESTRICTIONS	

NOTES --------
OPERATING CONSTRAINTS - 8 H/D, 2000 H/YR. COATING VOC CONTENT RANGE FROM 1.38 LB VOC/GAL TO 5.2 LB VOC/GAL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: UNITED TECHNOLOGIES AUTOMOTIVE — BAY CITY, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 780-80A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DAVID YANOCHKO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/06/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINTING, PLASTIC	12500.00 GAL COATING*	VOC	6.0500 LB/GAL COATING 12.5000 LB/H	LOW PRESSURE/HIGH VOLUME APPLICATION EQUIP.	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: VASSAR FIBERCOATING & METALLIZING — VASSAR, MI

DETERMINATION IS BACT
PERMIT NO. 88-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY) — CHRISTOPHER STOCK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/19/89
ESTIMATED DATE OF START-UP--
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, TOPCOAT		VOC	5.6400 LB/GAL	BACT
COATING, CLEARCOAT		VOC	6.2600 LB/GAL	BACT

NOTES --------
INTERIOR PLASTIC AUTOMOBILE PARTS. HIGH VOLUME-LOW PRESSURE PRINTING EQUIPMENT USED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: VEHCO INDUSTRIES, INC. — GRAND BLANC, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 787-89
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/12/90
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT, MANUAL, 5 EA	22000.00 CFM	VOC	32.8000 LB/H, 24H AVG, SEE NOTE ELECTROSTATIC PAINT GUNS THERMAL INCINERATION	LAER 95.00

NOTES --------
COATING LIMITS ARE LB VOC PER GALLON OF APPLIED SOLIDS. COMPONENTS -PRIMECOAT 10.31 24H & 8.42 MONTHLY, BASECOAT 11.22 24H & 7
.74 MONTHLY, CLEARCOAT 7.83 24H. TWO COMPONENT - BASECOAT 19.16 24H & 14.19 MONTHLY, CLEARCOAT 13.64 24H.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: SURFACE COATING OF PLASTIC PARTS

COMPANY NAME/SITE LOCATION: VIMCO — MT. CLEMENS, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 929-84B
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

DAVID YANOCHKO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/15/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINTING, PLASTIC PARTS	15200.00 GAL/YR COAT*	VOC	112.0000 LB/GAL SOLIDS APPL 24.0000 LB/H SEE NOTES	AVG VOC CONTENT = 5.83 LB/GAL AS APPL	BACT

NOTES --------
LOW PRESSURE HIGH VOLUME APPLICATION EQUIPMENT PROVIDES A TRANSFER EFFICIENCY OF 40%.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: AMERICAN CYANAMID CO. SOUTH CHERRY ST. — WALLINGFORD, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 189-0067
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
JOLENE CRANE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/28/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE & OVEN	160.00 LB/H	VOC	160.0000 LB/H 49.9000 T/6 MONTHS	PROCESS CONVERSTION, SEE NOTES	

NOTES --------
PERMIT VALID FOR 6 MONTHS TO ALLOW FOR ELIMINATION OF SOLVENT-BASED TECHNOLOGY. SUBSTITUTION OF SOLVENT-FREE TECHNOLOGY REQUIR ED PROIR TO PERMIT EXPIRATION DATE OF 11/01/89.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: AMERICAN FIBRIT, INC. BATTLE CREEK, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 400-86A
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
DHRUMAN SHAH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/08/87
ESTIMATED DATE OF START-UP-- 1987
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH		VOC	12.3000 LB/GAL OF SOLIDS APPL 5.6000 LB/GAL MINUS H2O	THERMAL INCINERATION	BACT 95.00
SPRAY BOOTH		VOC	37.6000 LB/GAL OF SOLIDS APPL 6.1000 LB/GAL MINUS H2O	THERMAL INCINERATION	BACT 95.00
HARDENER		VOC	4.2000 LB/GAL MINUS H2O		BACT

NOTES --------
PLANTWIDE TOTAL EMISSIONS FROM ALL OF THE THREE PROCESS MENTIONED ABOVE - 566.2 LB/D, 49.2 T/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: ARCO SOLAR, INC. , CA

DETERMINATION IS BACT
PERMIT NO. 0520-3
DETERMINATION MADE BY VENTURA APCD (AGENCY)

KEITH DUVAL (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/25/88
ESTIMATED DATE OF START-UP-- 1988
(805)-654-2845 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT	6000.00 SCFM			
		VOC	13.0000 LB/D	BACT
			CATALYTIC INCINERATOR	95.00

NOTES --------
LIMITED TO 8400 HOURS PER YEAR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: ASHLAND CHEMICAL CO. 1800 GLENROSE — LANSING, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 247-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/13/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STRIPPER, AIR	50.00 GAL/MIN	VOC	0.0530 LB/H	THERMAL INCINERATOR	BACT 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION BELL HELICOPTER TEXTRON INC. FORT WORTH, TX TARRANT COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18514
DETERMINATION MADE BY TEXAS ACB (AGENCY)
JAMES CUNNINGHAM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/27/88
ESTIMATED DATE OF START-UP-- 1988
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT		VOC	8.6100 T/YR		BACT
			8.1800 T/YR	CARBON ADSORBER & INCINERATOR	
		NOX	0.4600 T/YR		
		SO2	0.0100 T/YR		
		PM	0.3400 T/YR		
		CO	0.1900 T/YR		

NOTES --------
A ROTATING CYLINDRICAL CARBON ADSORBER IS USED TO ADSORB & DESORB VOC. THE DESORBED VOC IS INCINERATED IN A CATALYTIC INCINERATOR. OVERALL VOC CONTROL EFF. IS 90.25%, BASED ON OVERALL MATERIAL BALANCE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: BOEING ELECTRONIC CO. CORINTH, TX DENTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 17571
DETERMINATION MADE BY TEXAS ACB (AGENCY) JAMES CUNNINGHAM (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/19/87
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASSEMBLY LINE, ELECTRONICS		VOC	97.8900 T/YR	ACTIVATED CARBON ADSORB. UNIT PROCESS CONTROLS	BACT 90.00

NOTES --------
MAJOR VOC COMPONENTS ARE ALCOHOLS & HALOGENATED HYDROCARBONS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 825000.00 BUMPERS/YR

COMPANY NAME/SITE LOCATION: C & F STAMPING CO.,INC. — HOPKINSVILLE, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-85-97 REVISED
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY)

JAMES DILLS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/29/86
ESTIMATED DATE OF START-UP-- 1986
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INJ. MOLDING, REACTION & SPRAY *	2.93 GAL/H	VOC	6.3500 LB/GAL, EXCLUDING H2O	BACT
COATING, PRIME	10.86 GAL/H	VOC	5.4000 LB/GAL, EXCLUDING H2O	BACT
COATING, COLOR BASE	33.50 GAL/H, TOTAL	VOC	5.3000 LB/GAL, EXCLUDING H2O	BACT
COATING, CLEAR	10.20 GAL/H, TOTAL	VOC	5.0000 LB/GAL, EXCLUDING H2O	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/03/1988

SOURCE TYPE/SIZE OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION C & F STAMPING CO, INC. CASCADE, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 51-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/19/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, PRIMECOAT		VOC	11.6000 LB/GAL OF SOLIDS APPLIED	THERMAL INCINERATION	LAER 95.00
COATING, TOPCOAT		VOC	8.6000 LB/GAL OF SOLIDS APPLIED	THERMAL INCINERATION	LAER 95.00

NOTES ---------
THE TOPCOAT SYSTEM IS A BASECOAT & CLEARCOAT COMBINATION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: CADILLAC MOTOR CAR DIV. - G.M.C. — GRAND BLANC, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 797-88,798-88,799-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DISPENSER, SEALER	365.00 PARTS/H	VOC	0.0500 LB/GAL		BACT
DISPENSER, ANTI-FLUTTER	36.00 PIECES/H EA	VOC	3.1900 LB/GAL		BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 5.40 MMLB/YR FOAM MFG

COMPANY NAME/SITE LOCATION: CARPENTER INSULATION CO. — FOGELSVILLE, PA 18051

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 39-313-029
DETERMINATION MADE BY PENNSYLVANIA BAQC (AGENCY)
WILLIAM NUVER (AGENCY CONTACT PERSON)
(215)-861-2070 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/28/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EXPANDER, FIRST PASS	1350.00 LB/H	VOC	25.0000 T/YR	CARBON ADSORPTION	SIP 86.00
EXPANDER, SECOND PASS	1350.00 LB/H	VOC	25.0000 T/YR	CARBON ADSORPTION	SIP 86.00
STORAGE AREA, BEAD		VOC	25.0000 T/YR	CARBON ADSORPTION	SIP 86.00
HOLD AREA	2400.00 LB/H	VOC	25.0000 T/YR	CARBON ADSORPTION	SIP 86.00
STORAGE AREA, 24-H BLOCK		VOC	25.0000 T/YR	CARBON ADSORPTION	SIP 86.00
STORAGE AREA, 48 H BLOCK		VOC	25.0000 T/YR	SEE NOTES	SIP

NOTES --------
ANNUAL FACILITY VOC, N-PENTANE, EMIS RATE SHALL NOT EXCEED 25 T/YR. CONTROL OF 48 H STORAGE AREA ECONOMICALLY INFEASIBLE. TOTAL COST OF CONTROL EQUIP IS $405000 FOR AN ESTIMATED COST OF $4200 PER TON OF PENTANE REMOVED. SIP DUE TO BAT REQUIREMENT IN THE SIP. EFFICIENCY BASED ON A 90% CAPTURE, 95% ADSORBER EFFICIENCY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 4000.00 GAL

COMPANY NAME/SITE LOCATION: CHAMPION SPARK PLUG — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-373
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/18/87
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK	4000.00 GAL	BEN	NOT APPLICABLE VAPOR BALANCE, SUBMERGED FILL	SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 600.00 GAL/MIN

COMPANY NAME/SITE LOCATION: CHEMDYNE SITE — HAMILTON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-847
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
THOMAS TUCKER (AGENCY CONTACT PERSON)
(513)-251-8777 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/12/85
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AIR STRIPPER	600.00 GAL/MIN	VOC	0.4500 LB/H CARBON ADSORPTION	BACT 90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE CODE 4.21

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: CHRYSLER MOTOR CORP. HARREN TRUCK ASSEMBLY PLANT , MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 757-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DAVID YANOCHKO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/30/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, PAINT SLUDGE	1800.00 LB/H	VOC	9.6000 LB/T SLUDGE	INCINERATOR	BACT 90.00

NOTES --------
ORIGINAL PERMITS FOR ASSEMBLY PLANT ASSUMED ALL VOC FROM PAINT IS EMITTED FROM PAINTING IN PROCESS UNLESS CONTROLLED BY BAKE O VEN INCINERATORS. THIS DRYER WILL RESULT IN A REDUCTION FROM PREVIOUSLY ALLOWED VOC LEVELS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: COMFORT INDUSTRIES, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 170093,170094
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
C. TUPAC (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/07/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6200 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT, FILTER TYPE*	17000.00 SCFM	ROC	102.0000 LB/D		

NOTES --------
EMISSIONS OFFSET TO ZERO VIA CHANGE OF LOCATION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: DART CONTAINERS — MASON, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 808-84 & 150-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

GEOFFREY RICHARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/20/89
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CAP MFG., POLYSTRYENE BEAD EXPA*	9750.00 T/YR	VOC	184.9500 T/YR	BOILER, SEE NOTE	SIP 95.00
RECYCLING, POLYSTRYENE	13.14 T/YR	VOC	0.6540 T/YR	BOILER, SEE NOTE	SIP 95.00

NOTES --------
PRE-EXPANDER PROCESS VENTED TO NAT GAS FIRED BOILER FOR VOC CONTROL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION DELGADO BROS. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 192529-36
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
JIM SERBIA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/26/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-4301 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. APPLIC., SPRAY COATING, M*		ROG	134.0000 LB/D FOR FACILITY		

NOTES --------
RELOCATION OF ALL EXISTING PERMIT UNITS FROM ONE FACILITY TO ANOTHER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: DOVER PRODUCTS CO. — DOVER, TN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 996956P
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)
CURTIS MAPP (AGENCY CONTACT PERSON)
(615)-741-3651 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/28/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, 2		VOC	6.1000 LB/GAL OF COATING APPLIED	LAER

NOTES --------
2 AIR ATOMIZED SPRAY BOOTHS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: EAGLE OTTAWA LEATHER CO. — GRAND HAVEN, MI

DETERMINATION IS: FOR A NEW SOURCE.
PERMIT NO. 215-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
LINDA HARDELL (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/10/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH/DRYING TUNNEL	124.60 HIDES/H	VOC	0.1180 LB/HIDE	LOW VOC COATING	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: EAGLE OTTAWA LEATHER CO. , MI

DETERMINATION IS LAER FOR A MEM SOURCE.
PERMIT NO. 459-89
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DAVE FERRIER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/27/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER, LEATHER, 2		VOC	0.1500 LB/HIDE, MONTHLY AVG.	OPTIC EYE SPRAY GUN CONTROLLERS WATER BASED COATING	LAER 95.00

NOTES --------
EFFICIENCY IS REDUCTION FROM CONVENTIONAL VOC BASED COATINGS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION EVE ENCOUNTER, INC. , CA

DETERMINATION IS
PERMIT NO. 175616
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
C. TUPAC (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/07/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6200 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. APPLIC., 2 SPRAY BOOTHS, *	6.50 MMBTU/H	ROC	65.0000 LB/D	THERMAL OXIDIZER	

NOTES ---------
AFTERBURNER IS NOT COST EFFECTIVE. IT WAS INSTALLED TO KEEP EMISSIONS BELOW NSR THRESHOLD.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

ID NUMBER CA-0343

SOURCE TYPE CODE 4.21

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: G.J. INDUSTRIES
DBA COMMODORE PRODUCTS , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 152694
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
JEFF ZABNER (AGENCY CONTACT PERSON)
(818)-890-1023 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/15/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG PROCESS, SEE NOTES		VOC	195.0000 LB/D		

NOTES ---------
MFG PROCESS INCLUDES POLYESTER RESIN SPRAY BOOTH, DRYING OVEN, CURING LINES, & MIXING AREA FOR CULTURED MARBLE MANUFACTURING.
THERE IS PRESENTLY NO COST EFFECTIVE CONTROL EQUIPMENT FOR REACTIVE HYDROCARBON, VOC,
EMISSIONS FOR THIS EQUIPMENT. THE COMPANY IS GOING TO EXHAUST ALL SOURCES OF VOC THROUGH A 59 FT, ABOVE GROUND LEVEL EXHAUST S
TACK.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: ICI AMERICAS, INC. — STERLING HEIGHTS, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 653-89
DETERMINATION MADE BY MICHIGAN DNR AQD (AGENCY)

GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/19/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL BLENDING, POLYOL	2.00 MMGAL/YR	VOC	2.9000 LB/H	CONDENSATION/ADSORPTION	BACT 98.00

NOTES --------
CONTROL OF CHLOROTRIFLUOROMETHANE EMISSIONS FROM DISPLACEMENT OF LIQUIDS, CHLOROTRIFLUOROMETHANE IS RECLAIMED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE OTHER ORGANIC EVAPORATION LOSS 0.16 T/H

COMPANY NAME/SITE LOCATION INTERTAPE SYSTEMS, INC. , VA PITTSYLVANIA COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 30323
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/22/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYING, SOLVENT	0.16 T/H	VOC	10.0300 LB/H SEE NOTE#3 24.6200 T/YR SEE NOTE#3	CARBON ADSORBER	97.00

NOTES --------
NOTE#1-CONSTRUCT AN ADHESIVE TAPE MFG FACILITY. NOTE#2-REQUIRES A 90% OVERALL VOC REDUCTION CALC MONTHLY, A STACK TEST FOR THE CARBON ADSORPTION SYSTEM, & RECORDING OF MAT'L USAGE SUFFICIENT TO SHOW COMPLIANCE WITH THE 90% OVERALL VOC REDUCTION. NOTE#3-VOC EMISSIONS ARE TOLUENE

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: JAMES RIVER CORP., 243 E. PATERSON ST., KALAMAZOO, MI

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 540-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
LINDA HARDELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/21/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CLEANER, SOLVENT COLD, 2		VOC	0.3800 T/YR, TOTAL DUCT EMISSIONS INTO BOILER	LAER 98.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: K.B. LIGHTING, INC. — KENTWOOD, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 374-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DHRUMAN SHAH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/28/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING MACHINE, SPRAYCOAT	6.60 GAL/H				
		VOC	11.8000 LB/H	CONTROLLED THERMAL OXIDIZER AT 20000 SCFM	BACT 95.00
COATING MACHINE, FLOWCOAT	10.00 GAL/H				
		VOC	11.8000 LB/H	CONTROLLED THERMAL OXIDIZER AT 20000 SCFM	BACT 95.00
COATING MACHINE, PREWASH	6.60 GAL/H				
		VOC	11.8000 LB/H	CONTROLLED THERMAL OXIDIZER AT 20000 SCFM	BACT 95.00
COATING MACHINE, MASKWASH	4.80 GAL/H				
		VOC	11.8000 LB/H	CONTROLLED THERMAL OXIDIZER AT 20000 SCFM	BACT 95.00
DISTILL. UNIT	20.00 GAL/H				
		VOC	11.8000 LB/H	CONTROLLED THERMAL OXIDIZER AT 20000 SCFM	BACT 95.00

NOTES --------
ALL PORTIONS OF THE PROCESS OCCUR WITHIN THE MACHINE ENCLOSURE. MACHINE OPERATES ON FLOWCOAT/SPRAYCOAT SEQUENCE. PREWASH IS FO R BASECOAT ONLY. PROCESS INCLUDES PREWASH WITH BUTYL ACETATE, FLOWCOAT, SPRAYCOAT, MASKWASH, & DISTILLATION.
UNCONTROLLED VOC EMISSION = 120.7 LB/H. CONTROLLED EMISSION RATE = 11.8 LB/H OR 35.3 TPY. OPERATES 6000 HOURS PER YEAR. EQUIPM ENT INCLUDES 2 AUTOMATIC COATING MACHINES & 3 SOLVENT DISTILLATION UNITS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: KIMSTOCK , TN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 995285,89,90
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)

BILL CLELAND (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/11/86
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING OPERATION, GELCOAT & LA*					
		STY*	18.0000 % OF STYRENE INTRODUCED		LAER
		ACE*	12.0000 % OF ACETONE USED		LAER
				GOOD OPERATING PRACTICE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 5.40 T/H

COMPANY NAME/SITE LOCATION: KLOCKNER - PENTAPLAST OF AM , VA — LOUISA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (3)40748
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) — KATHERINE MILLER (AGENCY CONTACT PERSON) — (804)-786-1433 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/27/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING/LAMINATING	5.40 T/H				
		VOC	15.3800 LB/H		
			67.2800 T/YR		
				INCINERATOR	95.00
		MET*	12.3100 LB/H		
			53.8800 T/YR		
				INCINERATOR	95.00
		ACE*	3.0700 LB/H		
			13.4000 T/YR		
				INCINERATOR	95.00
BOILER, #2 OIL & NAT GAS FIRED	8.33 MMBTU/H				
		SO2	0.3000 LB/MMBTU		
			2.5300 LB/H		
				#2 OIL & NAT GAS	
		NO2	1.1900 LB/H		
			5.2100 T/YR		
				#2 OIL & NAT GAS	

NOTES --------
CONSTRUCTION OF A PLASTIC LAMINATING/COATING PLANT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: LABEL SYSTEMS CORP., 56 CHERRY ST — BRIDGEPORT, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 015-0130
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY) — MARK PEAK (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/29/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER, ADHESIVE, PRESSURE SENS*	1.00 REAM/H	VOC	5.6700 LB/H	CATAYLTIC INCINERATOR	90.00

NOTES --------
OPERATING CONSTRANTS - 16 H/D, 4800 H/YR. BURNER FIRED WITH 400 CFH NATURAL GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: LIBBEY OWENS FORD CO. — CLINTON, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 561-88C
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DANITA BRANDT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/06/90
ESTIMATED DATE OF START-UP-- 1990
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MOLDING CLAMP, REACTION INJ., 6	940.00 UNITS/D	VOC	16.7700 LB/H SEE NOTES		BACT

NOTES --------
USE OF HIGH VOLUME, LOW PRESSURE SPRAY APPLICATORS & LOW VOC COATING. CONTROLS INCLUDE REDUCED AMOUNT OF MOLD RELEASE COMPOUND , ELIMINATED THINNER IN MOLD RELEASE, & USE OF IN-MOLD COATING REDUCES POST-PAINTING.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: LIBBY-OWENS-FORD CLINTON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 561-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
LYNN FIEDLER (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/01/88
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, PLASTIC	0.46 GAL/H	VOC	4.9100 LB/GAL MINUS H2O AS APPLIED	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: LINATEX CORP. OF AMERICA, MIDDLE RIVER DR., STAFFORD SPRINGS, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 171-0024
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY) JOLENE CRANE (AGENCY CONTACT PERSON) (203)-566-8230 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/05/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, PAINT	11.40 LB/H				
		VOC	11.4000 LB/H		
			11.5000 T/YR		
				PRODUCTION LIMITATION	
MATL. APPLICATION, ADHESIVE, MA*	52.60 LB/H				
		VOC*	52.6000 LB/H		
			53.0000 T/YR		
				SEE NOTE	
				PRODUCTION LIMITATION	
		VOC	8.0000 LB/H		
			8.1000 T/YR		
				PRODUCTION LIMITATION	

NOTES --------
TOTAL HYDROCARBONS INCLUDE VOC & EXEMPT SOLVENT. MAX OPERATING HR - 8 H/D,2016 H/YR. MAX PAINT USE - 3.3 GAL/H, 6640 GAL/YR. SOURCE ALSO USES DRY FILTER TO CONTROL OVERSPRAY EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: LOS ANGELES TIMES , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 189118 THRU 9
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
H. HASSAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/30/89
ESTIMATED DATE OF START-UP-- 1990
(818)-571-5168 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., EMERGENCY, #1	2340.00 BHP	NOX	49.0000 LB/D	SCR	
ENGINE, I.C., EMERGENCY, #2	2340.00 BHP	NOX	49.0000 LB/D	SCR	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: MARBELITE CORP. NOVI, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 639-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
PAUL SCHLEUSENER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1981
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT (*) PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY, POLYESTER GELCOAT	26.00 LB/H	VOC	0.1700 LB/LB GELCOAT USED AIR-ASSISTED AIRLESS APLICATION SYSTEM	SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 150500.00 GAL/YR

COMPANY NAME/SITE LOCATION: SAFETY-KLEEN — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-346
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/01/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TRANSFER SYSTEM, SOLVENT	150500.00 GAL/YR	VOC	NOT APPLICABLE CLEAN-UP, COVERS, MONITORING	S/N
TANK, SOLVENT, 2 EA	15000.00 GAL	VOC	NOT APPLICABLE SUBMERGED FILL	S/N

NOTES ---------
SOLVENTS ARE PETROLEUM NAPTHA, MINERAL SPIRITS, DRY CLEANING SOLVENTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: SEPA, INC.
DIVISION OF SETON CO.
SAXTON BOROUGH, PA
BEDFORD COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 05-318-010
DETERMINATION MADE BY PENNSYLVANIA BAQC (AGENCY)
RONALD DAVIS (AGENCY CONTACT PERSON)
(717)-657-4587 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/05/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LINE #1, BASE COAT	300.00 HIDES/H	VOC	0.4860 LB/GAL MINUS H2O	WATER BASE COATING	SIP
LINE #2, PLATE COAT	300.00 HIDES/H	VOC	3.5300 LB/GAL MINUS H2O	WATER BASE COATING	SIP
LINE #3, COLOR/ANTIQUE	300.00 HIDES/H	VOC	6.5000 LB/GAL	THERMAL INCINERATOR	SIP 90.00
LINE #4, ANTIQUE/TOP	300.00 HIDES/H	VOC	6.4000 LB/GAL	THERMAL INCINERATOR	SIP 90.00

NOTES ---------
EACH LINE CONSISTS OF A CONVEYORIZED SPRAYBOOTH, AIRLESS, & AN OVEN. LINE#1 - BASE COAT, LINE#2 - PLATE COAT, TRANFER EFF = 75 %, LINE#3 - COLOR/ANTIQUE COAT, LINE#4 - ANTIQUE/TOP COAT. BOTH THE SPRAY BOOTHS & THE OVENS OF LINES #3 & 4 ARE CONTROLLED. THESE LIMITS ARE DUE TO BAT REQUIREMENTS OF THE SIP.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: STANLEY-BOSTICH, INC. KNOLLWOOD DR — CLINTON, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 037-0009 & 10
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
MARK PEAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/17/89
ESTIMATED DATE OF START-UP-- 1984
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. STORAGE, TANK, H2SO4	4500.00 GAL 12% H2S*	H2S*	0.0600 LB/H	FUME SCRUBBER	95.00
MATL. STORAGE, TANK, H2SO4, 1	4500.00 GAL 12% H2S*	H2S*	0.0600 LB/H	FUME SCRUBBER	95.00

NOTES --------
OPERATING CONSTRAINTS - 20 H/D, 5000 H/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: STRATOS BOATS, INC. MURFREESBORO, TN

DETERMINATION IS
PERMIT NO. 997693-95
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)

BILL CLELAND (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/07/89
ESTIMATED DATE OF START-UP-- 1989
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, GELCOAT & LAMINATI*	60.00 BOATS/D	VOC		SEE NOTE SKY BLAST STACKS,LOW STYRENE RESINS,H2O BASED * WORK PRACTICES FOR CLEAN-UP	LAER
MATL. APPLICATION, GLUE	60.00 BOATS/D	VOC	1.2000 LB/GAL ADHESIVES	LOW VOC ADHESIVES SPRAYED ON	LAER

NOTES --------
GELCOAT - 0.7 LB/GAL, RESIN - 0.6 LB/GAL, PAINT - 2.0 LB/GAL, CLEANUP - 6.6 LB/GAL, CLEANUP - 0.7 LB/GAL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: SUNDANCE SPAS , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 153088 - 153091
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
TRAN VO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/20/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6126 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH		VOC	59.4000 LB/D	BACT
		PM	26.1000 LB/D	BACT
			2 INCH THICK DRY FILTER	

NOTES --------
LIMITED TO 59.4 LB/D OF REACTIVE HYDROCARBONS, VOC, AS CALCULATED BY MATERIAL USAGES & THEIR EMISSION FACTORS. THERE IS NO COS
T-EFFECTIVE BACT APPLICATION TO THIS PROJECT FOR VOC CONTROL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: SYNTANE TAYLOR , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 192389 THRU 90
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
KEN MATSUDA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/18/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6482 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. APPLIC., COATING & CURING*					
		ROC	61.0000 LB/D		BACT
				AFTERBURNER	93.00

NOTES --------
BACT NECESSARY FOR COMPLIANCE WITH DISTRICT RULE 1128 & REG XIII, NSR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: TENNESSEE ELECTROPLATING CO. , TN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 996744P & 996745P
DETERMINATION MADE BY TENNESSEE APC (AGENCY)

CURTIS MAPP (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/15/88
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GLUING, WINDOW FRANES	37.60 LB/H ADHESI*	VOC	3.6000 LB/H, SEE NOTES	LAER

NOTES --------
FREE MDI EMITTED FROM THE URETHANE SEALANT SHALL NOT EXCEED 1.3%.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: TENNESSEE ELECTROPLATING CO. — RIPLEY, TN

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 995696P
DETERMINATION MADE BY TENNESSEE APCD (AGENCY)
CURTIS MAPP (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(615)-741-3651 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH	2352.00 GAL/MONTH O*	VOC	6.4000 LB/GAL OF COATING APPLIED	LAER

NOTES --------
UNIQUE COATINGS CALLED RESISTS OR STOP-OFF LACQUERS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: THE LACKAWANNA LEATHER CO. CONOVER, NC CATAWBA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 5202R3
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
MIKE SEWELL (AGENCY CONTACT PERSON)
(919)-733-3340 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/27/87
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, WATER WASH, 3	5517.00 LB/D VOC	VOC	62.7000 T/MONTH 662.4000 T/YR	AIRLESS SPRAYING "RULE 66" FINISHING MATL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 28000.00 GAL

COMPANY NAME/SITE LOCATION: THERMA-TRU CORP. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-347
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — DALE KRYGIELSKI (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/20/86
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK, URETHANE RESIN, 2*	5200.00 GAL	VOC	NOT APPLICABLE	SIP
STORAGE TANK, POLYMETHYLENE, 2 *	5200.00 GAL	VOC	NOT APPLICABLE	SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 1600.00 BOATS/YR

COMPANY NAME/SITE LOCATION: THOMPSON BOAT CO. — ST. CHARLES, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 184-88
DETERMINATION MADE BY MICHIGAN DNR (AGENCY); DAVID YANOCHKO (AGENCY CONTACT PERSON); (517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/18/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAINTING, SPRAY & BRUSH	138.00 GAL/MONTH C*	VOC	1.1000 T/YR		BACT

NOTES --------
ALTERNATIVE TO USE OF GELCOAT FOR TOUCH-UP PROCESS, REDUCES POTENTIAL STYRENE EMISSIONS. COATING IS INTERIOR GELCOAT, 0.35 LB VOC/LB GELCOAT & 0.35 LB VOC EMITTED/LB VOC. ALTERNATE COATING DID NOT PROVIDE ACCEPTABLE QUALITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 1600.00 BOATS/YR

COMPANY NAME/SITE LOCATION: THOMPSON BOAT CO. — ST. CHARLES, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 59-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

DAVID YANOCHKO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/27/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK, FIBERGLASS RESIN,*	13000.00 GAL/YR				
		VOC	1.1000 LB/YR		BACT
				CARBON CANISTER	98.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 1600.00 BOATS/YR

COMPANY NAME/SITE LOCATION: THOMPSON BOAT CO. — ST. CHARLES, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 58-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

DAVID YANOCHKO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/15/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG PROCESS, FLOATION FOAM	1.25 GAL/H	VOC	1.9000 T/YR	FLUSH SOLVENT CAPTURE AIRLESS APPLICATION	BACT 90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 1600.00 BOATS/YR

COMPANY NAME/SITE LOCATION: THOMPSON BOAT CO. — ST. CHARLES, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 185-88A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DAVID YANOCHKO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/02/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG PROCESS, ADHESIVE	550.00 GAL/MONTH	VOC	0.4500 LB/GAL ADHESIVE	WATER BASED ADHESIVE	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 1600.00 BOATS/YR

COMPANY NAME/SITE LOCATION: THOMPSON BOAT CO. — ST. CHARLES, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 536-88
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

DAVID YANOCHKO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/15/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SURFACING PROCESS, CABINET	600.00 GAL ADHESIV*	VOC	0.2000 LB/H 0.2000 T/YR	WATER-BASED ADHESIVE	BACT

NOTES --------
VOC CONTENT OF ADHESIVE IS 1.7 LB VOC/GAL ADHESIVE, MINUS H2O, AS APPLIED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: THOMPSON BOAT CO. ST. CHARLES, MI

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 45-87A & 46-87A
DETERMINATION MADE BY MICHIGAN DNR AQD (AGENCY)
DAVID YANOCHKO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/15/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING APPL., GELCOAT	26000.00 LB/MONTH	VOC	0.2140 LB/LB GEL	AIR ASSISTED AIRLESS APPLICATION EQUIP.	LAER
COATING APPL., RESIN	170000.00 LB/MONTH	VOC	0.0852 LB/LB GEL	AIR ASSISTED AIRLESS APPLICATION EQUIP.	LAER
CLEANUP, SOLVENT	3500.00 LB/MONTH	VOC	1050.0000 LB/MONTH	RECLAIM & RECYCLE	70.00

NOTES --------
MAXIMUM STYRENE MONOMER CONTENT OF GELCOAT IS 37%, MAXIMUM MONOMER CONTENT OF RESIN IS 39%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 10000.00 GAL

COMPANY NAME/SITE LOCATION: TOLEDO AREA SANITARY DISTRICT — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-403
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — JEFFREY THADDLE (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/03/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK, MESQUITO LARVICIDE	10000.00 GAL	VOC	NOT APPLICABLE SUBMERGED FILL	SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 2.76 MMGAL

COMPANY NAME/SITE LOCATION: TRANSOHIO TERMINAL CORP. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-423
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK	2.76 MMGAL	NH3	3.3600 T/YR SUBMERGED FILL	SIP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: VEMCO INDUSTRIES, 10230 N. HOLLY RD, GRAND BLANC, MI 48439

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 500-87A
DETERMINATION MADE BY MICHIGAN DNR (AGENCY) GREGORY EDWARDS (AGENCY CONTACT PERSON) (517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/18/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CLADDING LINE, BASE COAT, SEE#1					
		VOC	5.5800 LB/GAL SOLIDS APPL, SEE#2		LAER
				THERMAL INCIN. W/HEAT RECOVERY	95.00
CLADDING LINE, CLEAR COAT, SEE#1					
		VOC	5.9900 LB/GAL SOLIDS APPL, SEE#2		LAER
				THERMAL INCIN. W/HEAT RECOVERY	95.00
FASCIA LINE, PRIME COAT, SEE#4					
		VOC	12.9100 LB/GAL SOLIDS APPL, SEE#2		LAER
			9.7600 LB/GAL SOLIDS APPL, SEE#3		
				THERMAL INCIN. W/HEAT RECOVERY	95.00
FASCIA LINE, BASE COAT, SEE#4					
		VOC	13.1900 LB/GAL SOLIDS APPL, SEE#2		LAER
			12.1700 LB/GAL SOLIDS APPL, SEE#3		
				THERMAL INCIN. W/HEAT RECOVERY	95.00
FASCIA LINE, CLEAR COAT, SEE#4					
		VOC	9.2700 LB/GAL SOLIDS APPL, SEE#2		LAER
				THERMAL INCIN. W/HEAT RECOVERY	95.00

NOTES --------
NOTE #1-CONTROL OF BOOTHS, EXCEPT TOUCH-UP BOOTHS, FLASH-OFF & BAKE OVEN. NOTE #2-24 HOUR AVERAGE. NOTE #3-30 DAY AVERAGE. NOTE #4-CONTROL OF FINAL FLASH-OFF & BAKE OVEN FOR PRIME & BASE/CLEAR SYSTEMS, 2 LINES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: WICKLAND , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 30472
DETERMINATION MADE BY BAY AREA AQMD (AGENCY)
STEVE HILL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/01/86
ESTIMATED DATE OF START-UP--
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LOADING, MARINE	10000.00 BBL/D	VOC	SEE NOTE	

NOTES --------
CONTROLS NOT COST EFFECTIVE. CARBON ADSORPTION, REFRDTN, INCINERATION, FLOATING MEDIUM, VAPOR COLLECTION RETROFIT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS

COMPANY NAME/SITE LOCATION: MITCO GOLDEN BEAR DIVISION , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 2026054
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/23/90
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLENDING TANK, BASE OIL & POLYM*		VOC	0.0700 LB/D	LEAN OIL ADSORBER & CARBON CANISTER	BACT 99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 3135.00 T/YR

COMPANY NAME/SITE LOCATION: WOLVERINE GASKET & MFG CO. — BLACKSBURG, VA

DETERMINATION IS
PERMIT NO. 20763
DETERMINATION MADE BY VIRGINIA DAPC
(AGENCY)

TOM CREASY
(AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/24/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-0178
(PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, #4	0.82 T/H COATING				
		VOC	54.8000 LB/H		
			104.1000 T/YR		
				AFTERBURNER	95.00
		TOL*	750.0000 LB/D		
				AFTERBURNER	95.00
		MI *	33.0000 LB/D		
				AFTERBURNER	95.00
		DII*	46.0000 LB/D		
				AFTERBURNER	95.00
		DIM*	22.0000 LB/D		
				AFTERBURNER	95.00

NOTES --------
CONSTRUCT A 3135 T/YR COATING LINE. 2082 T/YR VOC. 5% OPACITY. NAT GAS FUEL FOR COATING LINE, BOILER/PROCESS HEATER/AFTERBURNERS. AFTERBURNER TEMPERATURE TO BE MONITORED/RECORDED. TESTING REQUIRED FOR VOC AFTERBURNER EFFICIENCY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 462000.00 SQ YD/YR

COMPANY NAME/SITE LOCATION: WOLVERINE WORLDWIDE, INC. — ROCKFORD, MI

DETERMINATION IS BACT
PERMIT NO. 580-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
LINDA WARDELL (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/11/87
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH	80000.00 SQ FT/MK				
		VOC	11.8700 LB/H 2.8600 T/YR	OPTICAL SPRAY HEADS H2O WASH/H2O BASED COATING	BACT

NOTES --------
LEATHER COATING

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER ORGANIC EVAPORATION LOSS — 10000.00 T/YR

COMPANY NAME/SITE LOCATION: 3M — HUTCHINSON, MN — MCLOED COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 23BC-87-OT-1
DETERMINATION MADE BY MINNESOTA PC (AGENCY)
JERRY LIEFERT (AGENCY CONTACT PERSON)
(612)-296-7607 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/27/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EXTRUSION/COATER/CONVERTING LIN*	CONFIDENTIAL	VOC	0.0360 LB/LB COATING SOLIDS	THERMAL OXIDATION HIGH SOLIDS COATING/SOLVENTLESS COATING	B/N 99.00

NOTES --------
INSTALL PRES. SENSITIVE TAPE MFG LINE, INCLUDES EXTRUSION LINE,COATING LINE,CONVERTING EQUIP W/JET SOLVENT CLEANER. PROJECT TO BE COMPLETED BY 5/90. "TOP DOWN" BACT ANALYSIS DONE--USE OF HIGH SOLIDS COATING,SOLVENTLESS COATINGS & STATE-OF-THE-ART CAPTURE & DESTRUCT TECH. VOC EMIS RATE 82% BELOW 0.2 LB/LB COATING SOLIDS APPLIED,NSPS. CONSIDERED B/N TECHNOLOGY. 3M TO INSTALL 100% EFFECTIVE CAPTURE SYS, 95% MIN, & 95% EFF THERMAL OXIDIZER. OVERALL EFF. OF 99%. CAPTURE SYS WILL FAR EXCEED BACT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

SOURCE TYPE/SIZE: PETROLEUM REFINING - SEPARATION

COMPANY NAME/SITE LOCATION: MIDSUN PARTNERS, L. P. , CA KERN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 4184002
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/20/89
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VENT, CASTING		VOC	53.3800 LB/D SEE NOTES		BACT 99.00

NOTES ---------
VOC CONTROLS ARE REFRIGERATION/SEPERATION OF VAPORS, COMPRESSION OF NON-CONDENSIBLE GASES FOLLOWED BY INJECTION INTO UNDERGROU ND OIL PRODUCTION ZONES. OPERATES 24H/D, 365 D/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

SOURCE TYPE/SIZE: PETROLEUM REFINING - SEPARATION

COMPANY NAME/SITE LOCATION: SUN EXPLORATION & PRODUCTION CO. — SAN ISIDRO, TX — STARR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18417
DETERMINATION MADE BY TEXAS ACB (AGENCY) — SAM CROWTHER (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/04/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, COMPRESSOR, 3		VOC	76.8000 T/YR		NOTE
		NOX	281.1000 T/YR		
		SO2	0.1800 T/YR		
		CO	153.3000 T/YR		
HEATER, AMINE REGEN.		VOC	0.2300 T/YR		BACT
		NOX	3.7000 T/YR		
		SO2	0.0250 T/YR		
		PM	0.1700 T/YR		
		CO	0.7300 T/YR		
HEATER, HOT OIL		VOC	0.2200 T/YR		BACT
		NOX	11.9000 T/YR		
		SO2	0.0400 T/YR		
		PM	0.4400 T/YR		
		CO	3.0000 T/YR		
FLARE		VOC	0.1300 T/YR		BACT
		NOX	2.5800 T/YR		
		SO2	14.0000 T/YR		
		PM	0.1300 T/YR		
		CO	0.5300 T/YR		
		H2S	0.1500 T/YR		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

(CONTINUED) SUN EXPLORATION & PRODUCTION CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FUGITIVES		VOC	12.8000 T/YR		BACT

NOTES --------
COMPRESSOR ENGINES ARE "WHITE SUPERIOR" CLEAN BURN ENGINES WITH LOW NOX EMISSIONS, NOT TO EXCEED 2 GRAMS OF NOX PER BREAK HORS EPOWER-HOUR AT MAXIMUM INSTALLED REVOLUTION PER MINUTE. EACH ENGINE IS RATED AT 2650 BHP. PSD PERMIT #PSD-TX-741
VOC LIMIT IS BASED ON BACT, NSPS, & NAAQS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: PETROLEUM REFINING - CONVERSION — 3.50 MMMT/YR

COMPANY NAME/SITE LOCATION: FINA OIL & CHEMICAL CO. — PORT ARTHUR, TX — JEFFERSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18936
DETERMINATION MADE BY TEXAS ACB (AGENCY)
SUSAN FELTCH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/23/89
ESTIMATED DATE OF START-UP-- 1992
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REGENERATOR UNIT		VOC	29.0000 T/YR	MULTI-STAGE CYCLONES & 2 PARALLEL ESP'S	N/A 90.00
		NOX	867.0000 T/YR		
		SO2	1647.0000 T/YR		
		PM	197.0000 T/YR		
		CO	1314.0000 T/YR		
		NH3	59.0000 T/YR		
FLARE, REFINERY		VOC	0.0400 T/YR	STEAM ASSISTED	N/A 98.00
		NOX	0.5000 T/YR		N/A
		SO2	0.1000 T/YR		
		PM	0.0400 T/YR		
		CO	0.1000 T/YR		BACT
FUGITIVE		VOC	37.6000 T/YR	MIMP, SEE NOTE	
		PM	1.8000 T/YR		
COOLING TOWER		VOC	6.6000 T/YR	MIMP, SEE NOTE	BACT
CATALYST TRANSPORT		PM	0.1000 T/YR		N/A

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, 6		VOC	5.4000 T/YR	UNCONTROLLED	BACT
FUGITIVE		BEN*	0.0100 T/YR		BACT
		H2S	0.0200 T/YR		BACT
TANK, 22		VOC	50.6000 T/YR		BACT
HEATER, 3		VOC	4.3000 T/YR	LOW NOX BURNER	N/A
		NOX	154.5300 T/YR		
		SO2	42.6400 T/YR		
		PM	7.9400 T/YR		
		CO	55.5100 T/YR		

NOTES --------
PSD PERMIT NO. PSD-TX-762, SO2 EMISSIONS LIMITED TO 300 PPM & PM EMISSIONS LIMITED TO 1 LB OF PM PER 1000 LB COKE BURNED. MIMP = MONTHLY INSPECTION & MAINTENANCE PROGRAM FOR VOC.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: PETROLEUM REFINING - CONVERSION

COMPANY NAME/SITE LOCATION: SOUTHWESTERN REFINING CO., INC. — CORPUS CHRISTI, TX — NUECES COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 18338
DETERMINATION MADE BY TEXAS ACB (AGENCY) — KAREN HORNE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, ISOSTRIPPER	28.00 MMBTU/H				
		NOX	17.0000 T/YR		BACT
		HF	1.4000 T/YR		
		CO	4.0000 T/YR		
TANK					
		VOC	4.9000 T/YR	INT. FLOAT ROOF	BACT
FLARE					
		VOC	4.9000 T/YR		BACT 99.00
FUGITIVES					
		VOC	12.0000 T/YR		BACT

NOTES --------
HF = HYDROGEN FLUORIDE, A TOXIC COMPOUND.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: PETROLEUM REFINING - TREATING

COMPANY NAME/SITE LOCATION: HAWAIIAN INDEPENDENT REFINERY, INC. , HI

DETERMINATION IS
PERMIT NO. HI 83-02
DETERMINATION MADE BY EPA REGION IX (AGENCY)
BOB BAKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/09/84
ESTIMATED DATE OF START-UP--
(415)-974-8923 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY UNIT, CLAUS SULFUR	14.00 LONG T/D	SO2	138.0000 LB/H, 3 H AVG 3 STAGE CATALYTIC CLAUS UNIT	95.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - TREATING — 30000.00 BPD

COMPANY NAME/SITE LOCATION: MARATHON PETROLEUM CO. — GARYVILLE, LA, ST. JOHN THE BAPTIST PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-LA-548
DETERMINATION MADE BY LOUISIANA DEQ (AGENCY)
ADDISON TATUM (AGENCY CONTACT PERSON)
(504)-342-0107 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/16/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OXIDIZER, THERMAL, 2	52.40 MMBTU/H				
		NOX	5.2000 LB/H		BACT
		SO2	43.0000 LB/H	SULFUR RECOVERY/GAS FIRING	BACT
		PM	0.3000 LB/H	GAS FIRING	BACT
HEATER, DEASPHALTING UNIT	150.00 MMBTU/H				
		NOX	45.0000 LB/H	LOW NOX BURNERS	BACT
		SO2	112.8000 LB/H	LOW S FUEL OIL	BACT
		PM	10.3000 LB/H	LOW S FUEL OIL	BACT
HEATER, HYDROCRACKER FEED	55.00 MMBTU/H				
		NOX	16.5000 LB/H	LOW NOX BURNERS	BACT
		SO2	41.4000 LB/H	LOW S FUEL OIL	BACT
		PM	3.8000 LB/H	LOW S FUEL OIL	BACT
HEATER, HYDROCRACKER HYDROGEN	25.00 MMBTU/H				
		NOX	7.5000 LB/H	LOW NOX BURNERS	BACT
		SO2	18.8000 LB/H	LOW S FUEL OIL	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

(CONTINUED) MARATHON PETROLEUM CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM	1.7000 LB/H	LOW S FUEL OIL	BACT
HEATER, HYDROCRACKER PROCESS, 2	20.00 MMBTU/H	NO2	6.0000 LB/H	LOW NOX BURNERS	BACT
		SO2	15.1000 LB/H	LOW S FUEL OIL	BACT
		PM	1.4000 LB/H	LOW S FUEL OIL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: PETROLEUM REFINING - TREATING — 340000.00 LB/H

COMPANY NAME/SITE LOCATION: SUN REFINING & MARKETING CO. — OREGON, OH

DETERMINATION IS
PERMIT NO. 04-365
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — LINDA FURLOUGH (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/10/86
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FCC GASOLINE TREATER	340000.00 LB/H	VOC	NOT APPLICABLE LEAK MONITORING & MAINTENANCE PROGRAM	SIP

NOTES --------
SYSTEN IS USED TO SWEETEN CATALYTIC GASOLINE FOR SALES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - TREATING — 20.00 LB/H

COMPANY NAME/SITE LOCATION: SUN REFINING & MARKETING CO. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-415
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
LINDA FURLOUGH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/12/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INJECTION, ETHY MERC TO PROPANE	20.00 LB/H	VOC	NOT APPLICABLE	SIP
			SCRUBBER	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - FEEDSTOCK — 7000.00 GAL

COMPANY NAME/SITE LOCATION: SUN REFINING & MARKETING CO. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-389
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
LINDA FURLOUGH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/15/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK, ETHYL 733/TOLUENE	7000.00 GAL	VOC	NOT APPLICABLE CARBON ADSORBER	SIP 97.00

NOTES --------
STORAGE TANK IS HORIZONTAL & CYLINDRICAL WITH ANNUAL THROUGHPUT OF 12000 GAL OF PRODUCT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - FEEDSTOCK

COMPANY NAME/SITE LOCATION: SUN REFINING & MARKETING CO. — OREGON, OH
1819 WOODVILLE ROAD

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-467
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — WILLIAM GARBER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, STORAGE	80000.00 BBL	VOC	NOT APPLICABLE PRIMARY & SECONDARY SEALS	NSPS

NOTES --------
THIS TANK CONTAINS REFORMER. IT IS FEEDSTOCK FOR A BTX PROCESS. BENZENE, TOLUENE, & XYLENE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION AMOCO RED OAK GAS GATHERING SYSTEM , OK
LATIMER COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 88-071-C(M-1)
DETERMINATION MADE BY OKLAHOMA AQS (AGENCY)
DAVID SCHUTZ (AGENCY CONTACT PERSON)
(405)-271-5220 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/21/90
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., COMPRESSOR, 3 EA	2850.00 HP				
		NOX	12.5600 LB/H 2.0000 G/HP-H		NAAQ
				PRE-COMBUSTION CHAMBER IGNITION	82.00
		CO	15.7000 LB/H 2.5000 G/HP-H		BACT
					77.00
		VOC	9.4200 LB/H 1.0000 G/HP-H		BACT
					50.00

NOTES --------
EMISSIONS APPROX THE SAME AS ENGINES WITH CATALYTIC CONVERTERS ONLY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION: CHEVRON USA, INC.
GAVIOTA OIL & GAS FACILITY , CA SANTA BARBARA COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 5704
DETERMINATION MADE BY SANTA BARBARA COUNTY APCD (AGENCY)
BILL MASTER (AGENCY CONTACT PERSON)
(805)-964-8111 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/06/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, 6 EA	47.20 MMBTU/H	NOX	19.0000	PPMVD AT 3% O2 LOW NOX BURNERS/SCR H2O INJECTION	90.00
		SOX	0.3800	LB/H TOTAL FUEL S LIMIT = 4 PPMV H2S	
		PM	4.9400	LB/H TOTAL PIPELINE GAS AS FUEL	
		CO	32.3000	LB/H TOTAL PROPER OPERATION/PIPELINE GAS AS FUEL	
		VOC	2.1400	LB/H TOTAL PROPER OPERATION/PIPELINE NAT GAS AS FUEL	
RECOVERY UNIT, SULFUR, 4 EA	7.50 MMSCF/D	NOX	200.0000	PPMVD AT 3% O2	
			3.8000	LB/H EA TAIL GAS INCINERATION PROPER OPERATION/PIPELINE NAT GAS AS FUEL	
		SO2	90.0000	PPMVD AT 3% O2	
			2.3400	LB/H EA TAIL GAS INCINERATION/CAUSTIC SCRUBBER RECYCLE SELECTOR PROCESS	99.90
		PM	0.9200	LB/H EA TAIL GAS INCINERATION, CAUSTIC SCRUB W/MIST EL* PIPELINE QUALITY GAS	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		CO	1.5400 LB/H EA TAIL GAS INCINERATOR PROPER OPERATION/PIPELINE GAS	
		VOC	0.9100 LB/H EA TAIL GAS INCINERATION PROPER OPERATION/PIPELINE GAS	
LOADING, TRUCK		VOC	SUBMERGED LOADING W/CLOSED VAPOR BALANCE SYS	100.00
STORAGE TANK		VOC	HARDPIPED,CLOSED VAPOR RECOVERY SYS	100.00
HEATER, HOT OIL FIRED, 4 EA	2.36 MMBTU/H	NOX	0.3500 LB/H EA LOW NOX BURNERS LOW EXCESS AIR OPERATION	
		SO2	2.5000 EE-3 LB/H EA PIPELINE GAS/4PPMV H2S MAX	
		PM	0.0200 LB/H EA PIPELINE GAS AS FUEL	
		CO	0.1400 LB/H EA PIPELINE GAS AS FUEL/PROPER OPERATION	
		VOC	0.0100 LB/H EA PIPELINE GAS AS FUEL/PROPER OPERATION	
FLARE		NOX	0.0500 LB/H EMIS EQUIV OF THERMAL OXIDIZER PROPER OPERATION & MANAGEMENT	
		SO2	0.0200 LB/H GAS FIRED PILOT PILOTS FUELED W/4 PPMV H2S MAX	
		PM	0.0200 LB/H STEAM INJ./GAS FIRED PILOTS	
		CO	0.0200 LB/H PROPER MANAGEMENT & MONIT./GAS FIRED PILOTS	
		VOC	0.1300 LB/H PROPER MANAGEMENT & MONIT./GAS FIRED PILOTS	
FUGITIVE		VOC	15.7000 LB/H PRESSURE RELIEF DEVICES/TANDUM SEALS/CLOSED PUM I & M FOR ALL ONSHORE FACILITIES	70.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TRUCK USAGE, VACUUM		SO2		CAUSTIC SCRUBBER	80.00
DEPRESSURIZING VESSELS		VOC		VAPOR CONTROL SYS PURGE M/PIPELINE GAS	100.00
		SO2		CAUSTIC SCRUBBER	80.00
CONSTRUCTION EQUIP., ONSHORE		NOX		PROPER OPERATION, SELECTION, & MAINTENANCE	
		SO2		PROPER OPERATION, SELECTION, & MAINTENANCE	
		PM		PROPER OPERATION, SELECTION, & MAINTENANCE	
		CO		PROPER OPERATION, SELECTION, & MAINTENANCE	
		VOC		PROPER OPERATION, SELECTION, & MAINTENANCE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY — 448.00 T/D

COMPANY NAME/SITE LOCATION: CITGO PETROLEUM CORP. — LAKE CHARLES, LA — CALCASIEU PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-LA-545
DETERMINATION MADE BY LOUISIANA DEQ (AGENCY)
ADDISON TATUM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/18/88
ESTIMATED DATE OF START-UP-- 1988
(504)-342-0107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TREATING UNIT, TAILGAS	1.30 MMDSCF/H	H2S	10.0000 PPMV	SULFTEN PROCESS	NSPS
		RSC	300.0000 PPMV	SULFTEN PROCESS	BACT

NOTES --------
SULFTEN PROCESS, REDUCTIVE TYPE, AMINE-BASED TREATMENT FOR H2S CONTROL, COS & CS2 UNCONTROLLED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION: MAPCO PETROLEUM NORTH POLE REFINERY — NORTH POLE, AK

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 8631-AA015
DETERMINATION MADE BY ALASKA DEC (AGENCY)
JON SANDSTEDT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/18/87
ESTIMATED DATE OF START-UP-- 1987
(907)-465-2666 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, DIESEL, ELEC. GENERATION	1000.00 KW			
		NOX	600.0000 PPMVD AT 15% O2	BACT
		SO2	0.4500 % S CONTENT FUEL,MAX	BACT
			0.3500 % S CONTENT FUEL, ANNUAL AVG	
		PM	20.0000 % OPACITY, 3 MIN/H	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION: OIL PROCESS CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 129939
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
M. BOTROS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/08/86
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6216 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, OIL & WATER STORAGE	265.00 GAL/MIN	VOC	23.0000 LB/D	CAUSTIC SCRUBBER, INCINERATOR	BACT 90.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY — 50.40 MMBTU/H

COMPANY NAME/SITE LOCATION: SHELL CALIFORNIA PRODUCTION INC. WEST COAST DIVISION , CA — KERN COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 4013121 & 122
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, SCRUBBED STEAM, 2 EA	25.20 MMBTU/H	PM	0.0300 LB/MMBTU	SO2 ABSORPTION SCRUBBER	BACT 70.00
		SUL*	0.0280 LB/MMBTU	SO2 ABSORPTION SCRUBBER	30.00

NOTES --------
SO2 ABSORPTION SCRUBBER - 1 FLOODED MULTIPLE VALVE TRAY FOLLOWED BY 3 FT OF GLITSER PACKING & VANE TYPE MIST ELIMINATOR W/WASH SPRAYS. OPERATIONAL LEVEL IS 80% OF DESIGN CAPACITY & OPERATES 24 H/D, 7 D/WK, 41.6 WK/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION: SHELL CALIFORNIA PRODUCTION, INC. , CA

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 4013140-4013143
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/22/86
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM, 4		PM	4.8000 LB/D		LAER

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION: SHELL CALIFORNIA PRODUCTION, INC. , CA
KERN COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 4013123 - 139
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/08/86
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, GAS FIRED, 6 EA	62.50 MMBTU/H				
		H2S*	0.3400 LB/H TOTAL	P.U.C REGULATED/QUAL. NAT GAS	
GENERATOR, OIL/GAS FIRED, 11 EA	62.50 MMBTU/H				
		H2S*	0.0260 LB/MMBTU	SEE NOTE	30.00

NOTES --------
SODIUM BASED SCRUBBER WITH 1 MULTIPLE VENTURI TRAY, 3 FT. OF GLITSCH GRID TRAY PACKING & VANE TYPE MIST ELIMINATOR WITH AUTOMA TIC WASH SPRAYS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION: SHELL CALIFORNIA PRODUCTION, INC. , CA KERN COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 4013603A
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/24/86
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED	4.00 MW	PM	0.6900 LB/H	LIMIT FUEL TO NAT GAS	
		SUL*	0.1000 LB/H	LIMIT FUEL TO NAT GAS W/0.1 GR/MCF SULFUR	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY

COMPANY NAME/SITE LOCATION: SHELL CALIFORNIA PRODUCTION, INC. , CA
KERN COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 4012428-431,435-440
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, GAS FIRED, 10	62.50 MMBTU/H				
		PM	0.2700 LB/H		
			4.3000 EE-3 LB/MMBTU		
				LIMIT FUEL TO NAT GAS	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY — 2485000.00 GAL

COMPANY NAME/SITE LOCATION: STANDARD OIL CO. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-379
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
LINDA FURLOUGH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/11/87
ESTIMATED DATE OF START-UP-- 1988
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FILTER PRESS, WASTE BIO SLUDGE *	2400.00 GAL/H	VOC	NOT APPLICABLE SEE NOTES	SIP
FILTER PRESS, OILY SLUDGE	2400.00 GAL/H	VOC	NOT APPLICABLE SEE NOTES	SIP
SLUDGE THICKENER, BIO	140.00 GAL/H	VOC	NOT APPLICABLE SEE NOTES	SIP
STORAGE TANK, BOTTOM, 2 EA	1.00 MMGAL	VOC	NOT APPLICABLE SEE NOTES	SIP
THICKENER TANK, BOTTOM	60000.00 GAL	VOC	NOT APPLICABLE SEE NOTES	SIP
FEED TANK, OILY	25000.00 GAL	VOC	NOT APPLICABLE SEE NOTES	SIP
STORAGE TANK, SLUDGE	400000.00 GAL	VOC	NOT APPLICABLE SEE NOTES	SIP

NOTES --------
OPERATION IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY — 68.00 MMBTU/H

COMPANY NAME/SITE LOCATION: SUN REFINING & MARKETING CO. — OREGON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-420
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
LINDA FURLOUGH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS FIRED	68.00 MMBTU/H				
		PM	5.0000 LB/CF		SIP
		SO2	0.1000 GR H2S/DSCF		N/S
				FUEL GAS H2S CONTENT < 0.1 GR/DSCF	
		NOX	0.1200 LB/MMBTU		SIP
				LOW NOX BURNERS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - AUXILIARY 49.80 MM

COMPANY NAME/SITE LOCATION: UNION OIL CO. RODEO, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SFB 85-03
DETERMINATION MADE BY EPA REGION IX (AGENCY)
ROBERT BAKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/03/86
ESTIMATED DATE OF START-UP--
(415)-974-8923 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS & DUCT BURNER	434.00 MMBTU/H	NOX	2.5000 PPM AT 15% O2 SCR STEAM INJ.	BACT 45.00

(#) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

SOURCE TYPE CODE 5.5

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION: ARCO , CA

DETERMINATION IS
PERMIT NO. 40070639,075H,076G,077F
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM, TOTAL	138.10 MMBTU/H				
		SO2	154.1800 LB/D		BACT

NOTES --------
EMISSION, SO2, OF 154.18 LB/D IS FOR THE ENTIRE ARCO WESTERN STATIONARY SOURCE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION: ASHLAND PETROLEUM CO. — ST. PAUL PARK, MN — WASHINGTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 203-87-OT-1
DETERMINATION MADE BY MINNESOTA PC (AGENCY) — JERRY LIEFERT (AGENCY CONTACT PERSON) — (612)-296-7607 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/26/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, PROCESS	120.00 MMBTU/H				
		NOX	0.1400 LB/MMBTU	LOW NOX BURNER DEDICATED NAT GAS LINE W/FLOW METER	BACT
		SO2	1.6000 LB/MMBTU	893520 GPY FUEL OIL, MAX S=1.5%	NAAQ

NOTES --------
NSPS MUST ALSO BE MET BY LIMITING H2S IN THE REFINERY GAS TO 0.1 GR/DSCF. THE SO2 LIMIT FOR REFINERY COMBUSTION SOURCES WILL A LSO BE REDUCED TO 1.3 LB SO2/MMBTU OR LOWER,DEPENDING ON ADDITIONAL SIP MODELING RESULTS,AFTER 8-1-90.
COMPANY IS REPLACING 2 OLDER, LESS EFFICIENT PROCESS HEATERS WITH ONE NEWER, MORE EFFICIENT PROCESS HEATER. PROJECT IS EXPECTE D TO BE COMPLETED BY LATE 1989 OR EARLY 1990.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION: BEACON OIL — HANFORD, CA — KINGS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. SJ 78-70
DETERMINATION MADE BY EPA REGION IX (AGENCY)
MATT HABER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/26/84
ESTIMATED DATE OF START-UP-- 1980
(415)-974-8209 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMBUSTION, FUEL GAS	11.10 MMSCFD				
		SO2	30.0000 PPM H2S		
			0.0190 GR/DSCF		
				STRETFORD PROCESS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION: BERRY HOLDING CO. , CA
KERN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 4016015A & 4016023
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM, OIL FIRED, 2	31.50 MMBTU/H				
		SO2	0.0460 LB/MMBTU		BACT
				CAUSTIC SCRUBBER	95.00
				SULFUR IN FUEL OIL	
		NO2	0.2600 LB/MMBTU		BACT
				LOW NOX BURNER	61.80
				FLUE GAS RECIRCULATION	
GENERATOR, STEAM, OIL FIRED	62.50 MMBTU/H				
		SO2	4.4500 LB/H		BACT
				PACKED TOWER CAUSTIC SO2 SCRUBBER	95.00
		NO2	7.5000 LB/H		BACT
				LOW NOX BURNER	70.00
				FLUE GAS RECIRCULATION	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION: EXXON
FORMAX LEASE PROJECT , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 4040036
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C.	235.00 HP				
		PM10	0.5200 LB/D	LIMITED TO 1 H/D FOR TESTING	BACT
		SO2	0.4800 LB/D		BACT
		NOX	7.2600 LB/D		
		VOC	0.5800 LB/D		BACT
		CO	1.5700 LB/D		BACT

NOTES --------
ENGINE IS USED TO PROVIDE POWER FOR EMERGENCY FIREWATER PUMP. WILL BE USED ONLY UNDER BREAKDOWN CONDITIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION: EXXON CO., USA
SANTA YNEZ UNIT EXPANSION PROJECT , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 5651
DETERMINATION MADE BY SANTA BARBERA CO. APCD (AGENCY)
SANJIB MUKHERJI (AGENCY CONTACT PERSON)
(805)-964-8111 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/19/87
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, W/DUCT BURNER	49.00 MW				
		NOX	16.3000 LB/H		BACT
			28.0200 LB/H STARTUP/SHUTDOWN		
				LOW NOX BURNER, SCR	90.00
				STEAM INJECTION	
		SO2	2.0000 LB/H		BACT
				USE OF PIPELINE-QUALITY GAS	
		PM10	8.6000 LB/H		
				USE OF PIPELINE-QUALITY GAS	
				PROPER COMBUSTION	
		ROC	3.3000 LB/H		BACT
				USE OF PIPELINE-QUALITY GAS	
				PROPER COMBUSTION	
		CO	17.0000 LB/H		
				PROPER COMBUSTION	
PLANT, OIL TREATING	140000.00 BPD OF DRY *				
		ROC			BACT
				VAPOR RECOVERY SYSTEM	99.80
PLANT, OIL TREATING	140000.00 BPD OF DRY *				
		ROC			BACT
				THERMAL OXIDIZER	
				PIPELINE-QUALITY GAS	
OXIDIZER, THERMAL, AT OIL TREAT*	140000.00 BPD OF DRY *				
		NOX			BACT
				PROPER BURNER OPERATION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		SO2			BACT
				FUEL GAS S CONTENT < 24 PPMVD	
		PM10			BACT
				CUSTOM BURNER DESIGN	
				USE OF PIPELINE QUALITY GAS	
		VE		VISIBILITY RESTRICTIONS - 40CFR60.18	
		CO			BACT
				PROPER BURNER OPERATION	
INCINERATOR	45000.00 BBL/H LOADI*				
		NOX	1.4000	LB/H	BACT
			0.4300	LB/H DURING RECHARGING	
				THERMAL DENOX	70.00
		SO2	24.0000	PPMVD S CONTENT FUEL	BACT
				USE OF PIPELINE QUALITY GAS	
MATL. TRANSFER, OIL	45000.00 BBL/H				
		ROC		CONFORM W/40CFR60, SUBPT KB	BACT
				VAPOR RECOVERY & CONTROL SYSTEM	99.80
MATL. STORAGE, OIL & NAT GAS					
		ROC	99.8000	% CONTROL OF NON-FUGITIVE EMIS	BACT
				HARD-PIPED VAPOR CONTROL SYSTEM	
DEPRESSURIZING					
		SO2			BACT
				VENTING THRU AMINE CONTRACTOR UNIT	
		ROC			BACT
				VENTING TO VAPOR CONTROL SYS OR FLARE	
				PURGE W/PIPELINE QUALITY GAS	
PLANT, STRIPPING GAS TREATMENT					
		ROC			BACT
				I & M PROGRAM, CLOSED PURGE SAMPLING SYS	
MATL. TRANSFER, DRAIN SUMPS AT *					
		ROC			BACT
				CARBON CANISTERS ON ALL ATMOS. VENTS	90.00
MATL. TRANSFER, VACUUM TRUCKS A*					
		ROC			BACT
				CARBON CANISTERS ON ALL ATMOS. VENTS	90.00
ENGINE, I.C., SUPPLY BOATS					
		NOX			BACT
				TURBOCHARGING/SEGREGATED AIR INTAKE	
				JACKET H2O INTERCOOLING, 4 DEG IGNITION TIMING*	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY UNIT, SULFUR, AT GAS T*	21.00 MMSCFD OF S*	SO2	100.0000 PPMV	H2S INCIN GAS FEED 3 STAGE CLAUS W/FLEXSORB SE TAIL GAS UNIT	BACT 99.90
INCINERATOR, GAS TREAT PLT		NOX	1.4600 LB/H	STAGED COMBUSTION AT BURNER/THERMAL DENOX	BACT
		SO2	4.5000 LB/H	24 PPMVD H2S - PILOT GAS 100 PPMVD H2S - FEED GAS	BACT
		PM10	0.0620 LB/MMBTU	24 PPMVD H2S - PILOT GAS, 100PPMVD - FEED GAS PROPER BURNER OPERATION	BACT
		ROC	0.1000 LB/H	USE OF PIPELINE QUALITY GAS PROPER BURNER OPERATION	BACT
		CO	1.1000 LB/H	USE OF PIPELINE QUALITY GAS PROPER BURNER OPERATION	BACT
CREW BOATS		NOX		TURBOCHARGING/INTERCOOLING 4 DEG IGNITION RETARD	BACT

NOTES --------
OIL TREATMENT PLANT VAPOR RECOVERY SYS CONTROL EFF BASED ON THE PROTOCOL SUBMITTED TO DISTRICT CARB.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION: MOBIL E & P U.S., INC. PHASE III , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 4011503-505 & 4011243-264
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/05/89
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, 3 EA	3.20 MW				
		PM	0.9600 LB/H		LAER
			0.0248 LB/MMBTU		
				PUC REGULATED QUALITY NAT GAS	
		NOX	2.0830 LB/H		BACT
			0.0538 LB/MMBTU		
				SCR CATALYST/AMMONIA INJ.	
		SO2	0.0100 LB/H		BACT
			2.6000 E-4 LB/MMBTU		
				PUC REGULATED QUALITY NAT GAS	
GENERATOR, NAT GAS FIRED, 23 EA	62.50 MMBTU/H				
		NOX	2.7080 LB/H		BACT
			0.0430 LB/MMBTU		
				LOW NOX BURNER/FLUE GAS RECIRCULATION	68.00
				O2 ANALYZER/CONTROLER	
		PM	0.3030 LB/H		LAER
			4.8500 E-3 LB/MMBTU		
				PUC REGULATED QUALITY NAT GAS	
		SO2	0.0370 LB/H		BACT
			5.9000 E-4 LB/MMBTU		
				PUC REGULATED QUALITY NAT GAS	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION: MOBIL OIL CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 4011
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SCRUBBING SYSTEM, SULFUR					
		PM10	31.4000 LB/D	LIMITED TO 6.3 MMSCF/DAY	BACT
		SO2	40.5000 LB/D		BACT 90.00
		SUL*	4.0000 LB/D		BACT 90.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION — 30.00 MMBTU/H

COMPANY NAME/SITE LOCATION: SUN OIL CO. , CA — KERN COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 4014131
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
(805)-861-3682 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/15/85
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM, OIL FIRED	30.00 MMBTU/H	SUL*	1.0200 LB/D SCRUBBER & O2 CONTROLLER	BACT 30.00

NOTES --------
OPERATES AT 80% CAPACITY WHICH IS 4809.0 GAL/DAY CRUDE OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION: TEXACO, INC.
B.S. DUFF #1 WELL , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 5017
DETERMINATION MADE BY MONTEREY BAY UNIFIED APCD (AGENCY)
GREGORY CHEE (AGENCY CONTACT PERSON)
(408)-443-1135 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/27/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, DIESEL, 3 EA	850.00 BHP	NOX	5 DEG INDIV ENGINE IGNITION RETARD W/OFFSET	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: PETROLEUM REFINING - ENTIRE OPERATION

COMPANY NAME/SITE LOCATION: UNION OIL CO. OF CALIFORNIA, KENAI, AK
UPPER COOK INLET

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8723-AA008
DETERMINATION MADE BY ALASKA DEC, AQM (AGENCY)
MARIO LIM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/04/89
ESTIMATED DATE OF START-UP-- 1990
(907)-465-2666 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GTH SOLAR SATURN, 4 EA	1300.00 MMBTU/H				
		PM	0.0500	GR/SCF	
			67.0000	T/YR	
		VE	20.0000	% OPACITY	
		NOX	115.0000	PPMV CORR TO 15% O2	
			385.0000	T/YR	
		CO	350.0000	LB/MMSCF FUEL, AVG	
			299.0000	T/YR	
		SOX		SEE NOTES	
		VOC	72.0000	T/YR	
TURBINE, H&H SOLAR SATURN, 4 EA	1300.00 MMBTU/H				
		PM	0.0500	GR/SCF	
			67.0000	T/YR	
		VE	20.0000	% OPACITY	
		NOX	115.0000	PPMV CORR TO 15% O2	
			385.0000	T/YR	
		CO	350.0000	LB/MMSCF FUEL	
			299.0000	T/YR	
		SOX		SEE NOTES	
		VOC	72.0000	T/YR	
TURBINE, ELECT. GENERATOR, 4 EA	1100.00 MMBTU/H				
		PM	0.0500	GR/SCF	
			67.0000	T/YR	
		VE	20.0000	% OPACITY	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		NOX	115.0000	PPMV CORR TO 15% O2	
		CO	350.0000	LB/MMSCF FUEL	
			299.0000	T/YR	
		SOX		SEE NOTES	
		VOC	72.0000	T/YR	
TURBINE, SHIPPING, SOLAR SATURN	1100.00 MMBTU/H				
		PM	0.0500	GR/SCF	
			67.0000	T/YR	
		VE	20.0000	% OPACITY	
		NOX	115.0000	PPMV CORR TO 15% O2	
		CO	350.0000	LB/MMSCF FUEL	
			299.0000	T/YR	
		SOX		SEE NOTES	
		VOC	72.0000	T/YR	
GENERATOR, DIESEL ELECT., 3 EA	1200.00 MMBTU/H				
		PM	0.0500	GR/SCF	
			67.0000	T/YR	
		VE	20.0000	% OPACITY	
		NOX	28.8000	LB/H	
			379.0000	T/YR	
		CO	6.4000	LB/MMP/H	
			101.0000	T/YR	
		SOX		SEE NOTES	
		VOC	72.0000	T/YR	
HEATER, GLYCOL WATER, 2 EA	7.40 MMBTU/H				
		PM	0.0500	GR/SCF	
			67.0000	T/YR	
		VE	20.0000	% OPACITY	
		NOX	102.0000	T/YR	
		CO	33.0000	T/YR	
		SOX		SEE NOTES	
		VOC	72.0000	T/YR	
FLARE, EAST/WEST SAFETY, 2 EA	41.70 MMBTU/H				
		PM	0.0500	GR/SCF	
			67.0000	T/YR	
		VE	20.0000	% OPACITY	
		NOX	102.0000	T/YR	
		CO	33.0000	T/YR	
		SOX		SEE NOTES	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		VOC	72.0000 T/YR		
STORAGE TANK, DIESEL FUEL		PM	0.0500 GR/SCF		
			67.0000 T/YR		
		VE	20.0000 % OPACITY		
		SOX	SEE NOTES		
		CO	33.0000 T/YR		
		VOC	72.0000 T/YR		
CRANE, EAST & MAST	218.00 MMBTU/H, AVG	PM	0.0500 GR/SCF		
			67.0000 T/YR		
		VE	20.0000 % OPACITY		
		NOX	102.0000 T/YR		
		CO	33.0000 T/YR		
		SOX	SEE NOTES		
		VOC	72.0000 T/YR		
PUMP, WATER	85.00 MMBTU/H	PM	0.0500 GR/SCF		
			67.0000 T/YR		
		VE	20.0000 % OPACITY		
		NOX	102.0000 T/YR		
		CO	33.0000 T/YR		
		SOX	SEE NOTES		
		VOC	72.0000 T/YR		
GENERATOR, STEAM	3.10 MMBTU/H	PM	0.0500 GR/SCF		
			67.0000 T/YR		
		VE	20.0000 % OPACITY		
		NOX	0.0102 T/YR		
		CO	33.0000 T/YR		
		SOX	SEE NOTES		
		VOC	72.0000 T/YR		
GENERATOR, PORTABLE STEAM		PM	0.0500 GR/SCF		
			67.0000 T/YR		
		VE	20.0000 % OPACITY		
		NOX	102.0000 T/YR		
		CO	33.0000 T/YR		
		SOX	SEE NOTES		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		VOC	72.0000 T/YR	
TURBINE, SOLAR CENTAUR WEST	4400.00 MMBTU/H	PM	0.0500 GR/SCF	
			67.0000 T/YR	
		VE	20.0000 % OPACITY	
		NOX	130.0000 PPMV CORR TO 15% O2	
			490.0000 T/YR	
		CO	109.0000 LB/MMSCF FUEL	
			92.0000 T/YR	
		SOX	SEE NOTES	
		VOC	72.0000 T/YR	
TURBINE, SOLAR SATURN, BINGHAM	4400.00 MMBTU/H	PM	0.0500 GR/SCF	
			67.0000 T/YR	
		VE	20.0000 % OPACITY	
		NOX	130.0000 PPMV CORR TO 15% O2	
			490.0000 T/YR	
		CO	109.0000 LB/MMSCF FUEL	
			92.0000 T/YR	
		SOX	SEE NOTES	
		VOC	72.0000 T/YR	
TURBINE, SOLAR CENTAUR EAST	4400.00 MMBTU/H	PM	0.0500 GR/SCF	
			67.0000 T/YR	
		VE	20.0000 % OPACITY	
		NOX	130.0000 PPMV CORR TO 15% O2	
			490.0000 T/YR	
		CO	109.0000 LB/MMSCF FUEL	
			92.0000 T/YR	
		SOX	SEE NOTES	
		VOC	72.0000 T/YR	
TURBINE, SOLAR CENTAUR, 2 EA	4400.00 MMBTU/H	PM	0.0500 GR/SCF	
			67.0000 T/YR	
		VE	20.0000 % OPACITY	
		NOX	130.0000 PPMV CORR TO 15% O2	
			490.0000 T/YR	
		CO	109.0000 LB/MMSCF FUEL	
			92.0000 T/YR	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		SOX	SEE NOTES	
		VOC	72.0000 T/YR	
TURBINE, SOLAR SATURN, #1	1300.00 MMBTU/H	PM	0.0500 GR/SCF	
			67.0000 T/YR	
		VE	20.0000 % OPACITY	
		NOX	115.0000 PPMV CORR TO 15% O2	
			385.0000 T/YR	
		CO	350.0000 LB/MMSCF FUEL	
			299.0000 T/YR	
		SOX	SEE NOTES	
		VOC	72.0000 T/YR	
GENERATOR, EMERGENCY, DIESEL FI*	449.00 MMBTU/H	PM	0.0500 GR/SCF	
			67.0000 T/YR	
		VE	20.0000 % OPACITY	
		NOX	102.0000 T/YR	
		CO	33.0000 T/YR	
		SOX	SEE NOTES	
		VOC	72.0000 T/YR	
TURBINE, BOOSTER,SOLAR SATURN	1300.00 MMBTU/H	PM	0.0500 GR/SCF	
			67.0000 T/YR	
		VE	20.0000 % OPACITY	
		NOX	115.0000 PPMV CORR TO 15% O2	
			385.0000 T/YR	
		CO	350.0000 LB/MMSCF FUEL	
			299.0000 T/YR	
		SOX	SEE NOTES	
		VOC	72.0000 T/YR	
VAPOR RECOVERY UNIT		PM	0.0500 GR/SCF	
			67.0000 T/YR	
		VE	20.0000 % OPACITY	
		CO	33.0000 T/YR	
		SOX	SEE NOTES	
		VOC	72.0000 T/YR	
BRUCKER CAPSULES	37.00 MMBTU/H	PM	0.0500 GR/SCF	
			67.0000 T/YR	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		VE	20.0000 % OPACITY		
		CO	33.0000 T/YR		
		SOX	SEE NOTES		
		VOC	72.0000 T/YR		
RESCUE BOAT	130.00 MMBTU/H				
		PM	0.0500 GR/SCF		
			67.0000 T/YR		
		VE	20.0000 % OPACITY		
		CO	33.0000 T/YR		
		SOX	SEE NOTES		
		VOC	72.0000 T/YR		

NOTES --------
SOX EMISSIONS - GAS-BURNING SOURCES - LIMITED TO A MONTHLY AVG OF 125 PPM H2S IN THE TOTAL QUANITY OF GAS BURNED & 265 PPM H2S NOT TO BE EXCEEDED FOR MORE THAN 3 CONSECUTIVE HRS IN THE GAS ROUTINELY BURNED IN THE SAFTY FLARE.
SOX EMISSIONS - DIESEL-BURNING SOURCES - 0.25% S IN THE DIESEL FUEL, ANNUAL AVERAGE & 0.4% S IN THE DIESEL FUEL, MAX PER SHIPMENT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

SOURCE TYPE/SIZE: BULK TERMINALS

COMPANY NAME/SITE LOCATION: AMERADA HESS, 50 BURBANK RD, NETHERSFIELD, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 070-0004
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/16/88
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. LOADING, GASOLINE	50.00 MMGAL/YR	VOC	10.5100 LB/H SEE NOTES		

NOTES --------
VOC CONTROLS FOR GASOLINE LOADING ARE PER 40 CFR 60 SUBPART XX - EMISSIONS NO GREATER THAN 35 MG OF VOC PER LITER OF GAS LOADED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: BULK TERMINALS

COMPANY NAME/SITE LOCATION: GAVIOTA TERMINAL CO.
GAVIOTA INTERIM MARINE TERMINAL , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 6408
DETERMINATION MADE BY SANTA BARBARA AQCD (AGENCY)
SANJIB MUKHERJI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/13/87
ESTIMATED DATE OF START-UP-- 1988
(805)-964-8111 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. STORAGE, CRUDE OIL	100000.00 BBL/D				
		ROC			BACT
				INCINERATOR, VAPOR COLL SYSTEM	95.00
				DOUBLE-SEAL INTERNAL FLOAT ROOF	
FUGITIVE					
		ROC	2.2500 LB/H		BACT
				RELIEF VALVES VENTED TO INCINERATOR	77.00
				I & M PROGRAM	
PUMP, SUMP, DRAINING					
		ROC			BACT
				CARBON CANISTERS	90.00
TRUCK, VACUUM					
		ROC			BACT
				CARBON CANISTER	90.00
		SO2			BACT
				CAUSTIC SCRUBBER	
MATL. TRANSFER, TANKER LOADING,*	100000.00 BBL/D				
		ROC	95.4000 LB/H		BACT
				INCINERATOR, VAPOR CONTROL SYSTEM, BACKUP FLARE	95.00
INCINERATOR, THERMAL					
		NOX	6.9200 LB/H		BACT
				PIPELINE QUALITY GAS	
		SO2	6.6500 LB/H		BACT
				JETTMELD SULFA-CHECK H2S REMOVAL SYSTEM	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		ROC	7.7400 LB/H		BACT
				BURNER MANAGEMENT	
				USE OF PIPELINE QUALITY GAS	
FLARE, BACKUP					
		NOX	6.9200 LB/H		
			0.0200 LB/H ON PILOT GAS ONLY		
				USE OF PIPELINE QUALITY GAS	
				PROPER BURNER MANAGEMENT	

NOTES --------
DISTRICT APPROVED I & M PROGRAM IS MORE STRINGENT THAN THE COMPARABLE NSPS, SUBPART KKK, FOR ONSHORE GAS PLANTS. THERMAL INCIN
ERATOR IS PART OF VOC CONTROL SYSTEM FOR MARINE TANKER LOADING SYSTEM WITH RATED THRUPUT
AT 100000 BBL/D OF OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: BULK TERMINALS

COMPANY NAME/SITE LOCATION: UNION OIL CO. OF CALIFORNIA , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 144937
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. ANDRANIS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/07/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6251 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL LOADING, TRUCK	360.00 HP MOTOR	VOC	35.0000 MG/BTU	BACT
			449.0000 LB/D	
			VAPOR RECOVERY UNIT	90.00

NOTES ---------
LIMITED TO 24 H/D, 7 D/WK, 52 WK/YR. INCREASING THE THRU-PUT FROM 1.5 MMGAL/D TO 2.319 MMGAL/D.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS

COMPANY NAME/SITE LOCATION: AMERADA HESS, 443 EASTERN POINT RD., GROTON, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 070-0068 THRU 70
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
MARK HULTHAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/14/87
ESTIMATED DATE OF START-UP--
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
MATL. STORAGE, GASOLINE TANK	37.80 MMGAL/YR	VOC	9.0800 T/YR FLOATING ROOF DESIGN
MATL. STORAGE, GASOLINE TANK	37.80 MMGAL/YR	VOC	9.0800 T/YR FLOATING ROOF DESIGN
MATL. STORAGE, GASOLINE TANK	25.20 MMGAL/YR	VOC	6.6300 T/YR FLOATING ROOF DESIGN

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS

COMPANY NAME/SITE LOCATION: ELK HILLS NAVAL PETROLEUM RESERVE #1 , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 4091176 & 4091178
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)

TOM PAXSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/26/86
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK, CRUDE OIL	1000.00 BBL	VOC	0.1800 LB/D	VAPOR SPACE BLANKET SYSTEM, VENTED TO NAT GAS PIPELINE	99.70
VAPOR COLLECTION SYSTEM		VOC	28.2600 LB/D	GAS/CONDEN. SEPERATOR & COLL. SYS W/VENT TO PIPELINE	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS

COMPANY NAME/SITE LOCATION: EXXON CO., USA
481 EAST SHORE PARKWAY
NEW HAVEN, CT 06512

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 117-0135 & 136
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
(203)-566-8230 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/08/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. STORAGE, TANK, GASOLINE	28.36 MMGAL/YR	VOC	1.3000 LB/H INTERNAL PAN & DOUBLE WIPER SEAL	
MATL. STORAGE, TANK, GASOLINE	55.36 MMGAL/YR	VOC	3.5000 LB/H INTERNAL PAN & DOUBLE WIPER SEAL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS

COMPANY NAME/SITE LOCATION: EXXON CO, USA — NEW HAVEN, CT 06512
481 EAST SHORE PARKWAY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 117-0137 THRU 139
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY) — SUSAN AMARELLO (AGENCY CONTACT PERSON) — (203)-566-8230 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/08/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. STORAGE, TANK	20.64 MMGAL/YR	VOC	1.3000 LB/H INTERNAL PAN & DOUBLE WIPER SEAL	
MATL. STORAGE, TANK	15.11 MMGAL/YR	VOC	0.7600 LB/H INTERNAL PAN & DOUBLE WIPER SEAL	
MATL. TRANSFER, LOADING RACK, G*	363.69 MMGAL/YR	VOC	41.2400 LB/H 35.0000 MG/L GASOLINE LOADED VAPOR RECOVERY UNIT	96.25

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS — 70000.00 GAL

COMPANY NAME/SITE LOCATION: JEEP CORP., JEEP PARKWAY — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-370
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/25/87
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK, FUEL OIL	70000.00 GAL	VOC	NOT APPLICABLE SUBMERGED FILL	M/S

(#) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

ID NUMBER OH-0100B

SOURCE TYPE CODE 5.9

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS — 68800.00 GAL

COMPANY NAME/SITE LOCATION: JENNISON-WRIGHT CORP. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-394
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/10/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WORK TANK, 2 EA	23900.00 GAL	VOC	0.0000	% OPACITY SEE NOTES VENT TO STORAGE TANK	S/N
		PM	0.0000	% OPACITY SEE NOTES VENT TO STORAGE TANK	S/N
STORAGE TANK	21000.00 GAL	VOC	0.0000	% OPACITY SEE NOTES SCRUBBER	S/N
		PM	0.0000	% OPACITY SEE NOTES SCRUBBER	S/N

NOTES --------
WORK TANKS HOLD CREOSOTE/COAL TAR SOLUTION, THE STORAGE TANK HOLDS THE SAME BUT VAPOR FROM THE WORK TANKS FEED TO THE STORAGE TANK. COMBINED PM/VOC LIMIT OF 1.7 TONS/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS

COMPANY NAME/SITE LOCATION: MOBIL OIL CORP. 134 FORBES ST. NEW HAVEN, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 117-0125
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
JOLENE CRANE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/13/88
ESTIMATED DATE OF START-UP-- 1988
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. STORAGE, GAS TANK 822	110.00 GAL/D	VOC	0.6200 LB/H 2.7200 T/YR	INTERNAL FLOAT ROOF	

NOTES ---------
SUBJECT TO NSPS 40 CFR PART 60 SUBPART KB - PETROLEUM LIQUID STORAGE VESSELS CONSTRUCTED, RECONSTRUCTED, OR MODIFIED AFTER 7/23/84.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS — 840000.00 GAL

COMPANY NAME/SITE LOCATION: SUN EXPLORATION & PRODUCTION , CA
KERN COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 4014503
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/08/86
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK BATTERY		VOC	4.1900 LB/D 0.1700 LB/H	INCIN. IN STEAM GEN.	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS — 11000.00 GAL

COMPANY NAME/SITE LOCATION: SUN REFINING & MARKETING — OREGON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-485
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
LINDA FURLOUGH (AGENCY CONTACT PERSON)
(419)-691-0150 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/12/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK	1000.00 GAL	VOC	NOT APPLICABLE LEAK DETECTION & REPAIR PROG., SUBMERGED FILL	S/N
STORAGE TANK	10000.00 GAL	VOC	NOT APPLICABLE LEAK DETECTION & REPAIR PROG., SUBMERGED FILL	S/N
ADDITIVE FACILITIES, GASOLINE	214.00 LB/H	VOC	NOT APPLICABLE LEAK DETECTION & REPAIR PROG.	N/S

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987
SOURCE TYPE CODE 5.9

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS — 1300.00 GAL

COMPANY NAME/SITE LOCATION: SUN REFINING & MARKETING CO. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-382
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
LINDA FURLOUGH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/25/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK	500.50 GAL	VOC	NOT APPLICABLE	SIP
STORAGE TANK	800.00 GAL	VOC	NOT APPLICABLE	SIP
BLENDING FACILITIES, GASOLINE	500.00 T/H	VOC	NOT APPLICABLE LEAK MONITORING & MAINTENANCE PROGRAM	SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: STORAGE OF PETROLEUM LIQUIDS — 23600.00 BBL

COMPANY NAME/SITE LOCATION: SUN REFINING & MARKETING CO. — OREGON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-419
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
LINDA FURLOUGH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK	13000.00 BBL	VOC	NOT APPLICABLE EXTERNAL FLOATING ROOF, SEC. SEALS	N/S
STORAGE TANK	10600.00 BBL	VOC	NOT APPLICABLE EXTERNAL FLOATING ROOF, SEC. SEALS	N/S
MATL PRODUCTION, NONENE	26169.00 LB/H	VOC	NOT APPLICABLE LEAK DETECTION & REPAIR PROGRAM	N/S

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: TRANSPORT & MARKETING - PETROLEUM PRODUCTS

COMPANY NAME/SITE LOCATION: AMERADA HESS, 443 EASTERN POINT RD., GROTON, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 070-0071
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
MARK HULTMAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/14/87
ESTIMATED DATE OF START-UP--
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. LOADING, GASOLINE RACK	100.80 MMGAL/YR	VOC	35.0000 MG/L	VAPOR RECOVERY UNIT	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: TRANSPORT & MARKETING - PETROLEUM PRODUCTS

COMPANY NAME/SITE LOCATION: L.L.& E PETROLEUM MARKETING, INC. MOBILE, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-0009-X007,X008,& Z009
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
KEN BARRETT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/05/90
ESTIMATED DATE OF START-UP--
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK	6.30 MMGAL	VOC	GAL/YR THRUPUT EXTERNAL FLOATER, SEC. SEALS	BACT
STORAGE TANK	4.20 MMGAL	VOC	GAL/YR THRUPUT EXTERNAL FLOATER, SEC. SEALS	BACT
LOADING DOCK, MARINE		VOC	GAL/YR THRUPUT 98% SUBMERGED FILL	BACT

NOTES --------
THRUPUT LIMITS PERTAIN TO NAPHTHA/GASOLINE, HEAVY NAPHTHA, & JET A/DISTILLATE. MAX DESIGN CAPACITY IS LIMITED BY GALLON PER YE AR THRUPUT LIMITS IN THE PERMIT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

SOURCE TYPE/SIZE: TRANSPORT & MARKETING - PETROLEUM PRODUCTS — 500000.00 GAL/YR

COMPANY NAME/SITE LOCATION: SOHIO OIL CO. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-401
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — LINDA FURLOUGH (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/03/87
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL LOADING, RAILCAR, AVIATION*	20000.00 GAL/D	VOC	NOT APPLICABLE BOTTOM LOADING	SIP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS — 170.00 MMSCFD NAT GAS FEED

COMPANY NAME/SITE LOCATION: AMOCO PRODUCTION CO. — SUNDOWN, TX — HOCKLEY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 16842
DETERMINATION MADE BY TEXAS ACB (AGENCY) — KAREN HORNE (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 09/11/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, TURBINE	25000.00 HP				
		NOX	342.0000 T/YR		B/A
		CO	305.0000 T/YR		
BURNER, AUX	142.00 MMBTU/H				
		NOX	74.9000 T/YR		BACT
		CO	25.0000 T/YR		
FLARE, 2					
		NOX	1.1500 T/YR		BACT
		CO	0.2300 T/YR		
HEATER, 2 EA	48.00 MMBTU/H				
		NOX	51.2000 T/YR		BACT
		CO	18.6000 T/YR		BACT
REGENERATOR, 3					
		NOX	2.1700 T/YR		BACT
		CO	0.2300 T/YR		BACT
OXIDIZER-LO-CAT.					
		VOC	2.9100 T/YR	SCRUBBER	BACT
		H2S	0.8600 T/YR		
FUGITIVES					
		VOC	37.9000 T/YR	MONITORING & MAINTENANCE PROGRAM	BACT
		H2S	1.1000 T/YR		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION CHAMPLIN PETROLEUM CO. FAIRFIELD, TX FREESTONE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 16736
DETERMINATION MADE BY TEXAS ACB (AGENCY)
AMBA MANN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/20/86
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLARE		H2S	0.3000 T/YR		B/N
		NOX	14.3000 T/YR		
		SO2	240.0000 T/YR		
		CO	0.8000 T/YR		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS — 8.00 MMSCFD

COMPANY NAME/SITE LOCATION: CITATION OIL & GAS CORP. — JAL, NM — LEA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-NM-623-M-1
DETERMINATION MADE BY NEW MEXICO AQB (AGENCY) — BRUCE NICHOLSON (AGENCY CONTACT PERSON) — DATE OF PERMIT ISSUANCE-- 02/04/88
ESTIMATED DATE OF START-UP--
(505)-827-0070 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REBOILER, AMINE, GAS FIRED	1.80 MMBTU/H	NOX		NONE	UNPG
DEHYDRATOR, GAS FIRED	0.60 MMBTU/H	NOX		NONE	UNRG
FLARE, ACID GAS, GAS FIRED	0.34 MMCFD	SO2	1474.0000 T/YR	SMOKELESS, NO OTHER TECH FEASIBLE	NOTE

NOTES --------
ACID GAS FLARE EMISSIONS BASED ON DESIGN OF PLANT, NAAQS, INCREMENT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/04/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS — 5.13 MMSCFD

COMPANY NAME/SITE LOCATION: EAST DAGGER DRAW JOINT VENTURE — CARLSBAD, NM — EDDY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-NM-615-M-1
DETERMINATION MADE BY NEW MEXICO AQB (AGENCY)
BRUCE NICHOLSON (AGENCY CONTACT PERSON)
(505)-827-0070 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/13/87
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REGENERATOR, AMINE, GAS FIRED	0.72 MMBTU/H	NOX		NONE	U
REGENERATOR, GLYCOL, GAS FIRED	0.25 MMBTU/H	NOX		NONE	U
FLARE, ACID GAS, GAS FIRED	0.30 MMCFD	SO2	790.0000 T/YR, SEE NOTE	SMOKELESS	BACT

NOTES --------
SO2 EMISSIONS ARE BASED ON DESIGN OF PLANT, NAAQS, INCREMENT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION EXXON CO., USA , AL
MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-4011-X001
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/08/88
ESTIMATED DATE OF START-UP-- 1991
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY SYSTEM, SULFUR	455.00 LONG T/D				
		SO2	373.0000 LB/H		BACT
				CLAUS S RECOVERY UNIT W/AGE UNIT & SCOT TAIL GAS UNIT	99.70
		NOX	9.4000 LB/H	DESIGN & OPERATION	BACT
		CO	9.8000 LB/H	DESIGN & OPERATION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION EXXON CO., USA , AL MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-4011-X002
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/08/88
ESTIMATED DATE OF START-UP-- 1991
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	173.00 MMBTU/H	CO	35.3000 LB/H	COMBUST. MODIFICATION	BACT
		NOX	34.6000 LB/H	COMBUST. MODIFICATION	BACT
		SO2	9.1000 LB/H	COMBUST. MODIFICATION	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: EXXON CO., USA , AL MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-4011-X003
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
(205)-271-7861 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/08/88
ESTIMATED DATE OF START-UP-- 1991

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	173.00 MMBTU/H	CO	35.3000 LB/H	COMBUST. MODIFICATION	BACT
		NOX	54.6000 LB/H	COMBUST. MODIFICATION	BACT
		SO2	9.1000 LB/H	COMBUST. MODIFICATION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION EXXON CO., USA , AL MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-4011-X004
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/08/88
ESTIMATED DATE OF START-UP-- 1991
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	173.00 MMBTU/H	CO	35.3000 LB/H	COMBUST. MODIFICATION	BACT
		NOX	34.6000 LB/H	COMBUST. MODIFICATION	BACT
		SO2	9.1000 LB/H	COMBUST. MODIFICATION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: EXXON CO., USA , AL
MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-4011-X005
DATE OF PERMIT ISSUANCE-- 03/08/88
ESTIMATED DATE OF START-UP-- 1991
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	173.00 MMBTU/H				
		CO	35.3000 LB/H	COMBUST. MODIFICATION	BACT
		NOX	34.6000 LB/H	COMBUST. MODIFICATION	BACT
		SO2	9.1000 LB/H	COMBUST. MODIFICATION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: EXXON CO., USA , AL MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-4011-X006
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/08/90
ESTIMATED DATE OF START-UP-- 1991
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE	3120.00 MM	CO	5.0000 LB/H	COMBUST. MODIFICATION	BACT
		NOX	0.0150 PPM	COMBUST. MODIFICATION	BACT
		SO2	1.2000 LB/H	COMBUSTION MODIFICATION	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: EXXON CO., USA , AL
MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-4011-X007
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
(205)-271-7861 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/08/88
ESTIMATED DATE OF START-UP-- 1991

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE	3120.00 KW				
		CO	5.0000 LB/H	COMBUST. MODIFICATION	BACT
		NOX	0.0150 PPM	COMBUST. MODIFICATION	BACT
		SO2	1.2000 LB/H	COMBUSTION MODIFICATION	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: EXXON CO., USA , AL MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-4011-X008
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/08/88
ESTIMATED DATE OF START-UP-- 1991
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE	3120.00 KW	CO	5.0000 LB/H	COMBUST. MODIFICATION	BACT
		NOX	0.0150 PPM	COMBUST. MODIFICATION	BACT
		SO2	1.2000 LB/H	COMBUSTION MODIFICATION	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: EXXON SAN JOAQUIN PRODUCTION CO. , CA

DETERMINATION IS
PERMIT NO. 2066012-015
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)

TOM PAXSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/25/88
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., 4 EA	525.00 HP	NOX	27.8400 LB/D 1.0000 G/BHP-H	3 WAY NON-SELECTIVE CATALYST AIR/FUEL RATIO CONTROLLER	

NOTES --------
AIR/FUEL RATIO CONTROLLER & THREE WAY CATALYST MUST BE IN OPERATION AT ALL TIMES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: GETTY OIL CO. , AL MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-4004-X010 & X009
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/28/86
ESTIMATED DATE OF START-UP-- 1986
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, COMPRESSOR	2700.00 HP				
		CO	1.6000 G/HP-H	TURBOCHARGER/PRECOMBUSTION CHAMBER	BACT
		NOX	3.0000 G/HP-H	TURBOCHARGER/PRECOMBUSTION CHAMBER	BACT
		VOC	1.5000 G/HP-H	TURBOCHARGER/PRECOMBUSTION CHAMBER	BACT
ENGINE, COMPRESSOR	2600.00 HP				
		CO	2.2000 G/HP-H	TURBOCHARGER/PRECOMBUSTION CHAMBER	BACT
		NOX	2.2000 G/HP-H	TURBOCHARGER/PRECOMBUSTION CHAMBER	BACT
		VOC	1.2000 G/HP-H	TURBOCHARGER/PRECOMBUSTION CHAMBER	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS — 137.00 MMSCFD

COMPANY NAME/SITE LOCATION: MARATHON OIL CO. — CARLSBAD, NM — EDDY COUNTY

DETERMINATION IS
PERMIT NO. PSD-NM-295-M-2
DETERMINATION MADE BY NEW MEXICO AQB (AGENCY)

BRUCE NICHOLSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/19/88
ESTIMATED DATE OF START-UP-- 1988
(505)-827-0070 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY UNIT, SULFUR	137.00 MMSCFD	SO2	1460.0000 T/YR		SIP 93.00
TURBINE, GE, GAS FIRED, 2 EA	6000.00 HP	NOX	153.0000 T/YR EA		NSPS

NOTES --------
NOX EMISSIONS FOR THE FIRST TURBINE ARE BASED ON 40 CFR 60, SUBPART GG. SECOND TURBINE WILL UNDERGO REVISED BACT IN 1992.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION MITCHELL ENERGY CORP. MAGNOLIA, TX MONTGOMERY COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 17178
DETERMINATION MADE BY TEXAS ACB (AGENCY)
SAM CROMTHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/03/86
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STILL VENT, AMINE		VOC	1.2000 T/YR		B/N
		CO2	2897.0000 T/YR UNCONTROLLED		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: MOBIL PRODUCING TEXAS & NEW MEXICO, INC. — MIDKIFF, TX — MIDLAND COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 16884
DETERMINATION MADE BY TEXAS ACB (AGENCY) — AMBER MANN (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/16/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMPRESSOR, NAT GAS, 4		VOC	44.7000 T/YR		BACT
		NOX	234.2000 T/YR		
		CO	62.6000 T/YR		

NOTES --------
ONE COOPER-BESSEMER & 3 WAUKESHA, NH COMPRESSOR ENGINES. NOX EMISSIONS ARE LIMITED TO <=5.0 G/BHP FOR ALL ENGINES. WAUKESHA EN GINES HAVE CATALYTIC CONVERTOR COOPER-BESSEMER ENGINE HAS DERATED OUTPUT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: MOBILE OIL EXPLORATION , AL MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-0014-X004
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/11/88
ESTIMATED DATE OF START-UP-- 1988
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY UNIT, SULFUR	250.00 LONG T/D	SO2	450.0000 LB/H	3 STAGE CLAUS S RECOVERY PLANT W/SCOT TAILGAS UNIT	BACT 99.70

NOTES --------
MODIFICATION TO PRIOR BACT DETERMINATION. BACT NOW BASED ON PERCENTAGE H2S IN ACID GAS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: MOBILE OIL EXPLORATION , AL
MOBILE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-0014-X005
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/11/88
ESTIMATED DATE OF START-UP-- 1991
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY UNIT, SULFUR	550.00 LONG T/D	SO2	1118.0000 LB/H	3 STAGE CLAUS S RECOVERY PLANT W/SCOT TAILGAS UNIT	BACT 99.70

NOTES --------
MODIFICATION TO PRIOR BACT DETERMINATION. BACT NOW BASED ON PERCENTAGE H2S IN ACID GAS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS — 510.00 MMSCFD

COMPANY NAME/SITE LOCATION: OXY NGL, INC. — JOHNSON BAYOU, LA — CAMERON PARISH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-LA-555
DETERMINATION MADE BY LOUISIANA DEQ (AGENCY)
ADDISON TATUM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/14/89
ESTIMATED DATE OF START-UP-- 1990
(504)-342-0107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMPRESSOR, AIR, DIESEL FIRED		NOX	3.0000 LB/H 0.2000 T/YR	LIMIT OPERATING HOURS	NAAQ
		CO	2.4000 LB/H 0.1900 T/YR		
ENGINE, FIRE PUMP, DIESEL FIRED*	3.20 MMBTU/H	NOX	8.8000 LB/H 0.2200 T/YR	LIMIT OPERATING HOURS	NAAQ
		CO	11.9000 LB/H 0.3000 T/YR		
TURBINE, CENTAUR GAS, 4	29.40 MMBTU/H	NOX	21.6000 LB/H 94.1000 T/YR	COMBUSTION DESIGN	BACT
		CO	3.8000 LB/H 16.4000 T/YR	COMBUSTION DESIGN	BACT
HEATER, GAS	8.10 MMBTU/H	NOX	2.0000 LB/H 4.5000 T/YR	LIMIT OPERATING HOURS	NAAQ
		CO	0.1500 LB/H 0.3300 T/YR		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, EMERGENCY	1.40 MMBTU/H	NOX	4.1000 LB/H 0.1000 T/YR LIMIT OPERATING HOURS	NAAQ
		CO	0.5600 LB/H 0.0100 T/YR	
PUMP, DIESEL FIRE, 2	2.20 MMBTU/H	NOX	10.4000 LB/H 0.2600 T/YR LIMIT OPERATING HOURS	NAAQ
		CO	1.7000 LB/H 0.0400 T/YR	
TURBINE, SOLAR GAS	13.50 MMBTU/H	NOX	3.7000 LB/H 16.2000 T/YR COMBUSTION DESIGN	BACT
		CO	4.8000 LB/H 21.2000 T/YR	
TURBINE, SOLAR GAS	29.40 MMBTU/H	NOX	21.6000 LB/H 94.1000 T/YR COMBUSTION DESIGN	BACT
		CO	3.8000 LB/H 16.4000 T/YR	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS — 100.00 MMCFD

COMPANY NAME/SITE LOCATION: PURSUE GAS PROCESSING & PETROCHEMICAL C* — THOMASVILLE, MS

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2380-00041
DETERMINATION MADE BY MISSOURI DNR-BPC (AGENCY)
JAY BARKLEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/01/78
ESTIMATED DATE OF START-UP-- 1980
(601)-961-5171 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, SULFUR RECOVERY	2.25 T/H			
		H2S	10.0000 PPM AT 0% O2 BEAVON TAIL GAS UNIT	BACT 99.95
		TRS	90.0000 PPM AT 0% O2	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: SHELL OFFSHORE, INC. — CODEN, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-4017-X001 THRU X004
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
KEN BARRETT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/25/89
ESTIMATED DATE OF START-UP-- 1991
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, SULFER RECOVERY	59.40 LONG T/D	SO2	64.8000 LB/H	3 STAGE CLAUS W/SCOT UNIT	BACT 99.70
TURBINE, GAS FIRED	5000.00 HP	NOX	42.0000 PPM	H2O INJECTION	BACT 85.00
BOILER, GAS FIRED	48.20 MMBTU/H	NOX	4.8000 LB/H	LOW NOX BURNERS	BACT 50.00
BOILER, GAS FIRED	48.20 MMBTU/H	NOX	4.8000 LB/H	LOW NOX BURNERS	BACT 50.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS — 100.00 MMCFD

COMPANY NAME/SITE LOCATION: SHELL OIL CO. — THOMASVILLE, MS

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2380-00036
DETERMINATION MADE BY MISSOURI DNR-BPC (AGENCY)
DON WATTS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/19/84
ESTIMATED DATE OF START-UP-- 1984
(601)-961-5171 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, SULFUR RECOVERY	138.43 T/H FIELD G*				
		SO2	0.0840 LB/LB SULFUR	CATALYTIC OXIDATION	BACT 95.10
		COS	885.0000 LB/H		
		CS2	357.0000 LB/H		

NOTES --------
COS - CARBONYL SULFIDE, CS2 - CARBON DISULFIDE

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS — 430.00 MCFD

COMPANY NAME/SITE LOCATION: SOUTHERN NATURAL GAS — PICKENS, MS

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 3020-00046
DETERMINATION MADE BY MISSOURI DNR-BPC (AGENCY)
DAN MCLEOD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/21/83
ESTIMATED DATE OF START-UP-- 1984
(601)-961-5171 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
I.C. ENGINE, COMPRESSOR, 2 EA	17.94 MMBTU/H	NOX	91.8000 LB/H, TOTAL DESIGN		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS — 11.00 MMSCFD

COMPANY NAME/SITE LOCATION: TEXACO, INC. — KERMIT, TX — WINKLER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 17212
DETERMINATION MADE BY TEXAS ACB (AGENCY) — SAM CRONTHER (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/09/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER		NOX	0.2800 T/YR		B/N
HEATER, RECLAIMER		NOX	0.2400 T/YR		BACT
HEATER, REBOILER		NOX	1.8800 T/YR		BACT
FLARE, ACID GAS		SO2	687.0000 T/YR	GAS FIRED PILOT PROPER OPERATION & MANAGEMENT	BACT
		H2S	3.6000 T/YR	GAS FIRED PILOT PROPER OPERATION & MANAGEMENT	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS — 20.00 MMSCFD

COMPANY NAME/SITE LOCATION: TRISTAR ENERGY, INC. — RANDADO, TX — JIM HOGG COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 17451
DETERMINATION MADE BY TEXAS ACB (AGENCY) — KAREN NEUMANN (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/17/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VENT STACK		H2O	10.4000 T/YR		B/N
REBOILER, AMINE		VOC	4.3000 T/YR		BACT
		NOX	18.9000 T/YR		
		SO2	0.1000 T/YR		
		PM	0.6000 T/YR		
		CO	4.7000 T/YR		
REBOILER, GLYCOL		VOC	0.2000 T/YR		BACT
		NOX	0.8000 T/YR		BACT
		SO2	0.1000 T/YR		
		PM	0.1000 T/YR		
		CO	0.2000 T/YR		
FUGITIVE		VOC	0.1000 T/YR		BACT
VENT STACK		CO2	60477.4000 T/YR		BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: NATURAL GAS/GASOLINE PROCESSING PLANTS

COMPANY NAME/SITE LOCATION: YATES PETROLEUM CORP. ARTESIA, NM EDDY COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. PSD-NM-753
DETERMINATION MADE BY NEW MEXICO AQB (AGENCY) BRUCE NICHOLSON (AGENCY CONTACT PERSON) (505)-827-0070 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/16/90
ESTIMATED DATE OF START-UP-- 1991

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AMINE UNIT	20.00 MMSCFD				
		SO2	123.3000 T/YR	SCR PLUS COLD BED ADSORPTION	BACT 98.00
COMPRESSOR, I.C., 3 EA	2000.00 HP				
		NOX	1.5000 G/HP-H	CLEANBURN ENGINE DESIGN	BACT
		CO	1.6000 G/HP-H	CLEANBURN ENGINE DESIGN	BACT
COMPRESSOR, I.C., 2 EA	537.00 HP				
		NOX	1.5000 G/HP-H	CATAYLTIC CONVERTERS	BACT 90.00
		CO	1.8000 G/HP-H	CATALYTIC CONVERTERS	BACT 90.00

NOTES --------
BACT BASED ON TECHNOLOGY & ECONOMICS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: ASPHALT & ASSOCIATED PRODUCTS MFG./PROCESSING — 300.00 T/H

COMPANY NAME/SITE LOCATION: CARDINAL STONE , VA — GRAYSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 10305
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY) — TOM CREASY (AGENCY CONTACT PERSON) — (804)-786-0178 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/16/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT	300.00 T/H				
		PM	10.8000 LB/H		
			2.2000 T/YR		
				CYCLONE/VENTURI SCRUB./MIST ELIMINATOR	99.90
				PAVING/WET SUPPRESSION	

NOTES --------
CONSTRUCT & OPERATE A BITUMANOUS CONCRETE, ASPHALT, PLANT. 129 MMBTU/H #2 OIL BURNER. 160000 GAL #6 OIL USED PER YEAR. CEM TO MEASURE STATIC PRESSURE DROP ACROSS VENTURI. NSPS EXEMPT, OLD PLANT PURCHASE, BUT CONTROLS DESIGNED TO MEET NSPS STANDARDS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: ASPHALT & ASSOCIATED PRODUCTS MFG./PROCESSING — 350.00 T/H

COMPANY NAME/SITE LOCATION: MEGA CONSTRUCTORS, INC. , VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 61067
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/15/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, DRUM-MIX ASPHALT	350.00 T/H				
		PM	0.0400 LB/H		
			1.3000 T/YR		
				BAGHOUSE	99.90
		SO2	24.4000 LB/H		
			10.4000 T/YR		
				STACK TEST	
		VOC	11.8000 LB/H		
			5.0000 T/YR		
				STACK TEST	
		NO2	15.1000 LB/H		
			6.5000 T/YR		
				STACK TEST	
		CO	16.0000 LB/H		
			6.8000 T/YR		
				STACK TEST	
MATL HANDLING, AGGREGATE STONE					
		PM			
				WET SUPPRESSION	

NOTES --------
CONSTRUCT A BITUMINOUS CONCRETE PLANT. BAGHOUSE VISIBLE EMISSIONS ARE LIMITED TO 5% OPACITY. NSPS REQUIREMENTS OF 40 CFR 60.90 - 60.93 APPLY. WET SUPPRESSION VISIBLE EMISSIONS ARE LIMITED TO 20% OPACITY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)

COMPANY NAME/SITE LOCATION: ARCO ALASKA KING SALMON PLATFORM — UPPER COOK INLET, AK

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 8423-AA008
DETERMINATION MADE BY ALASKA DEC (AGENCY)
JON SANDSTEDT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/13/85
ESTIMATED DATE OF START-UP-- 1985
(907)-465-2666 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, COMPRESSOR	3950.00 HP				
		NOX	125.0000 PPMVD AT 15% O2	DRY CONTROLS	BACT
		CO	60.0000 PPMV		
		SO2	25.0000 PPM H2S IN FUEL GAS		
		PM	10.0000 % OPACITY		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

SOURCE TYPE/SIZE: CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)

COMPANY NAME/SITE LOCATION: ARCO ALASKA KUPARUK CENTRAL PROD. FAC. * NORTH SLOPE BOROUGH, AK

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8636-AA013
DETERMINATION MADE BY ALASKA DEC (AGENCY)
JON SANDSTEDT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/03/86
ESTIMATED DATE OF START-UP-- 1986
(907)-465-2666 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, COMP, 3	14900.00 HP	NOX	115.0000 PPMVD AT 15% O2	DRY CONTROLS	BACT
TURBINE, GAS FIRED, INJECT, 6	4900.00 HP	NOX	115.0000 PPMVD AT 15% O2	DRY CONTROLS	BACT
TURBINE, GAS FIRED, PWR GEN	33400.00 HP	NOX	100.0000 PPMVD AT 15% O2	DRY CONTROLS	BACT
TURBINE, GAS FIRED, ALL		SO2	25.0000 PPM H2S IN FUEL		BACT
		CO	109.0000 LB/SCF FUEL		BACT
		PM	10.0000 % OPACITY		BACT
HEATER, GAS FIRED, AT DRILL SIT*	13.00 MMBTU/H	NOX	0.1000 LB/MMBTU		BACT
		CO	0.0180 LB/MMBTU		BACT
		SO2	25.0000 PPM H2S IN FUEL GAS		BACT
		PM	10.0000 % OPACITY		BACT
FLARES, RAW GAS, SAFETY	414.00 MMSCFD	PM	20.0000 % OPACITY, 3 MIN/H		

NOTES --------
NOX EMISSION LIMIT IS MODIFIED BY TURBINE EFFICIENCY FACTOR, 14.4/X, WHERE X= HEAT RATE IN KJ/W-H. CO EMISSION LIMIT AT BASE L OAD, ISO CONDITIONS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

SOURCE TYPE/SIZE: CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE) 100000.00 BBL/D

COMPANY NAME/SITE LOCATION: ARCO ALASKA LISBURNE DEVELOPMENT PROJECT NORTH SLOPE BOROUGH, AK

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8536-AA020
DETERMINATION MADE BY ALASKA DEC (AGENCY)
JON SANDSTEDT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/08/86
ESTIMATED DATE OF START-UP-- 1986
(907)-465-2666 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, REFRIG., 3	5000.00 HP				
		NOX	115.0000	PPMVD AT 15% O2 DRY CONTROLS	BACT
TURBINE, GAS FIRED, PWR GEN, 4	12000.00 HP				
		NOX	115.0000	PPMVD AT 15% O2 DRY CONTROLS	BACT
TURBINE, GAS FIRED, INJECT, 2	35000.00 HP				
		NOX	100.0000	PPMVD AT 15% O2 DRY CONTROLS	BACT
TURBINE, GAS FIRED, ALL					
		CO	109.0000	LB/SCF FUEL	BACT
		SO2	168.0000	PPM H2S IN FUEL GAS, 3H AVG PURCHASED SWEET GAS TO BLEND IF NEEDED	BACT
		PM	10.0000	% OPACITY	BACT
FLARE, RAW GAS FIRED, SAFETY	645.00 MMSCFD				
		PM	20.0000	% OPACITY, 3 MIN/H	BACT
HEATER, GAS FIRED, 2	5.00 MMBTU/H				
		NOX	0.1600	LB/MMBTU	BACT
HEATER, GAS FIRED, 2	30.00 MMBTU/H				
		NOX	0.0800	LB/MMBTU	
HEATER, GAS FIRED	80.20 MMBTU/H				
		NOX	0.0800	LB/MMBTU	
HEATER, GAS FIRED, 6	25.00 MMBTU/H				
		NOX	0.0800	LB/MMBTU	
HEATER, GAS FIRED, ALL					

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		CO	0.0180 LB/MMBTU		BACT
		PM	10.0000 % OPACITY		BACT
		SO2	168.0000 PPM H2S IN FUEL GAS		BACT

NOTES --------
NOX EMISSION LIMIT IS MODIFIED BY TURBINE EFFICIENCY FACTOR, 14.4/X, WHERE X=HEAT RATE IN KJ/W-H. CO EMISSION LIMIT AT BASE LO AD, ISO CONDITIONS.

(W) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

SOURCE TYPE/SIZE: CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE) 30000.00 BBL/D

COMPANY NAME/SITE LOCATION: CONOCO MILNE POINT NORTH SLOPE BOROUGH, AK

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8536-AA008
DETERMINATION MADE BY ALASKA DEC (AGENCY)
JON SANDSTEDT (AGENCY CONTACT PERSON)
(907)-465-2666 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/26/85
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, TOTAL	50000.00 HP	NOX	100.0000 PPMVD AT 15% O2	BACT
		CO	109.0000 LB/SCF FUEL	BACT
HEATER, GAS FIRED, TOTAL	106.00 MMBTU/H	NOX	0.1600 LB/MMBTU IF <=5 MMBTU/H 0.0800 LB/MMBTU IF >5 MMBTU/H	BACT
		CO	0.2000 LB/MMBTU	BACT
FLARE, SAFETY		PM	5.0000 % OPACITY	
VENT, WATER SURGE TANK		VOC	85.0000 T/YR	

NOTES --------
NOX EMISSION LIMIT IS MODIFIED BY TURBINE EFFICIENCY FACTOR, 14.4/X, WHERE X=HEAT RATE IN KJ/W-H.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

ID NUMBER AK-0017

SOURCE TYPE CODE 5.14

SOURCE TYPE/SIZE: CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)

COMPANY NAME/SITE LOCATION: ELK HILL NAVAL PETROLEUM , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 409177
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/26/86
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRAIN TANK	2100.00 GAL, SEE NO*	VOC	0.2200 LB/D	UNCONTROLLED	BACT

NOTES --------
11.5 GAL/D AVG THROUGHPUT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)

COMPANY NAME/SITE LOCATION: MARATHON OIL CO., STEELHEAD PLATFORM — UPPER COOK INLET, AK

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8523-AA006
DETERMINATION MADE BY ALASKA DEC (AGENCY) — JON SANDSTEDT (AGENCY CONTACT PERSON) — (907)-465-2666 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/06/86
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED, PWR GEN, 3	4454.00 HP				
		NOX	115.0000	PPMVD AT 15% O2 DRY CONTROLS	BACT
		CO	109.0000	LB/MMSCF FUEL	BACT
TURBINE, GAS FIRED, COMPRESSOR,*	5278.00 HP				
		NOX	115.0000	PPMVD AT 15% O2 DRY CONTROLS	BACT
		CO	247.0000	LB/MMSCF FUEL	BACT
TURBINE, GAS FIRED, ALL					
		SO2	25.0000	PPM H2S IN FUEL GAS	
		PM	10.0000	% OPACITY	
ENGINE, DIESEL, 7	VARIES,200-*				
		SO2	0.2500	% FUEL S CONTENT	NAAQ

NOTES --------
NOX ENISSION LIMIT IS MODIFIED BY TURBINE EFFICIENCY FACTOR, 14.4/X, WHERE X=HEAT RATE IN KJ/W-H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

SOURCE TYPE/SIZE: CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE) — 3.00 MMSCFD

COMPANY NAME/SITE LOCATION: PRESTON NORTHERN, INC. — EVART TOWNSHIP, MI — OSCEOLA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 412-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
GEOFFREY RICHARDSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/17/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLARE, RELIEF	0.13 T/YR	SO2	0.1300 T/YR		B/N 97.77
FLARE, PROCESS	4834.38 T/YR	SO2	58.5800 T/YR - H2S EMITTED	SEE NOTE #1	97.77
INCINERATOR	144.73 T/YR	SO2	0.3500 T/YR - H2S EMITTED		99.66
FACILITY, SWEETENING, NOTE#2	3.00 MMCSFD	SO2	44.5000 LB/H 194.8000 T/YR	MODIFIED 3 STAGE CLAUS CATALYST	B/N 98.79

NOTES --------
PROCESS FLARE - ONLY USED FOR A FAILURE, THEREFORE, GAS FROM WELL TO FLARE WHEN ALL OTHER SYSTEMS FAIL / CLAUS FAILURE, ONLY U
SED FOR SHUT DOWN OVER A FIVE MINUTE PERIOD / START UP.
NOTE#1 - USED ONLY IN A FAILURE MODE. NOTE#2 - NSPS SUBPART LLL APPLIES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: CRUDE OIL/NAT. GAS PRODUCTION (INCL. OIL SHALE)

COMPANY NAME/SITE LOCATION: UNION OIL CO. OF CALIFORNIA
LOMPOC DEHYDRATION FACILITY , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 6708
DETERMINATION MADE BY SANTA BARBARA COUNTY APCD (AGENCY)
BILL MASTER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/20/86
ESTIMATED DATE OF START-UP--
(805)-964-8111 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER TREATER, CE NATCO, 3 EA	12.50 MMBTU/H				
		NOX	1.4400 LB/H/UNIT		BACT
			69.0000 PPMVD AT 3% O2		
				LOW NOX BURNER DESIGN	
		ROC	0.0500 LB/H/UNIT		BACT
				PIPELINE QUALITY GAS, PROPER OPERATION	
HEATER TREATER, CE NATCO, 3 TOT*	32.00 MMBTU/H				
		NOX	1.1900 LB/H TOTAL		
		CO	1.6500 LB/H TOTAL		
		ROC	0.0150 LB/H TOTAL		
RECLAIMER, OIL, CE NATCO	1.50 MMBTU/H				
		NOX	0.1400 LB/H		BACT
				LOW NOX BURNER DESIGN	
		ROC	0.0100 LB/H		BACT
				PIPELINE QUALITY GAS, PROPER OPERATION	
FLARE, NATIONAL AIR-OIL					
		NOX			BACT
				PIPELINE QUALITY GAS, PROPER MANAGEMENT	
		ROC			BACT
				PIPELINE QUALITY GAS, PROPER MANAGEMENT	
REBOILER, GLYCOL	0.25 MMBTU/H				
		NOX	0.0100 LB/H		BACT
				PROPER MANAGEMENT	
		ROC	0.0000 LB/H		BACT
				PIPELINE QUALITY GAS, PROPER MANAGEMENT	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REBOILER, GLYCOL	0.25 MMBTU/H				
		NOX	0.0200 LB/H	PROPER MANAGEMENT	
		ROC		NEGLIGIBLE	
				PIPELINE QUALITY GAS, PROPER MANAGEMENT	
MATL. STORAGE, TANK, CRUDE-OIL	160.00 BBL	CO	5.0000	PPM AT 3% O2	
		ROC	100.0000	% EFF CONTROL	BACT
PUMP, DRAIN SUMP				CLOSED VAPOR SYSTEM, HARD PIPED	
		ROC			BACT
DEHYDRATION FACILITY	20000.00 BBL/D			CARBON CANISTER	
		FUG*	3.5000	LB/H	BACT
				SEE NOTES	78.00

NOTES --------
GLYCOL REBOILER ORIGINALLY PERMITTED AT 90000 BTU/H CAPACITY & CHANGED TO 250000 BTU/H. DEHYDRATION FACILITY FUGITIVE CONTROLS ARE I & M PROGRAM, PRESSURE RELIEF DEVICES & COMPRESSOR SEALS VENTED TO VAPOR CONTROL SYSTEM, DUAL MECHANICAL OR PUMP SEALS, SINGLE MECHANICAL PUMP SEALS, CLOSED PURGE SAMPLING SYSTEM

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION: ALTON GEOSCIENCE , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 186863
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
MARK LIU (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/31/89
ESTIMATED DATE OF START-UP--
(818)-572-6171 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLOWER	6.00 HP				
		ROG	75.0000 LB/D		
				CATALYTIC OXIDIZER	90.00

NOTES --------
BACT FOR SOIL EXTRACTOR & TREATMENT HAS NOT BEEN DEVELOPED AT THIS TIME.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION: AMOCO PRODUCTION CO. — DENVER CITY, TX — YOAKUM COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 16997
DETERMINATION MADE BY TEXAS ACB (AGENCY) — KAREN NEUMANN (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/03/86
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, INJ. COMPRESSION, 8					
		VOC	28.8000 T/YR	CATALYTIC CONVERTER	BACT
		NOX	154.4000 T/YR		
		SO2	0.8000 T/YR, MAX		
		CO	154.4000 T/YR		
REBOILER, GLYCOL					
		VOC	0.1000 T/YR, MAX		BACT
		NOX	0.4000 T/YR		
		SO2	0.1000 T/YR, MAX		
		PM	0.1000 T/YR		BACT
		CO	0.1000 T/YR		
FUGITIVES					
		VOC	7.0000 T/YR	MONITORING & MAINTENANCE PROGRAM	BACT

NOTES --------
ENGINES ARE 8 WAUKESHA ENGINES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION: ARCO , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 4007063G & 4007075H
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/12/89
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM	62.50 MMBTU/H	SO2	0.1000 GR/100 SCF S CONTENT GAS	USE OF PIPELINE QUALITY GAS	BACT
GENERATOR, STEAM	25.20 MMBTU/H	SO2	0.1000 GR/100 SCF S CONTENT GAS	USE OF PIPELINE QUALITY GAS	BACT

NOTES --------
SIMILAR DETERMINATIONS HERE MADE FOR 3 OTHER 25.2 MMBTU/H STEAM GENERATORS AS PART OF A MODIFICATION TO THE ARCO WESTERN STATI
ONARY SOURCE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990
SOURCE TYPE CODE 5.16

SOURCE TYPE/SIZE: PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION: E.I. DUPONT DE NEMOURS & CO., INC. BEAUMONT, TX JEFFERSON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 9594
DETERMINATION MADE BY TEXAS ACB (AGENCY) LOUIS ROBERTS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/20/85
ESTIMATED DATE OF START-UP-- 1985
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, AMMONIA		VOC		BACT
			FLARE	99.00
			REFRIGERATED CONDENSER	

NOTES --------
LOW NOX BURNERS NOT TECHNICALLY PRACTICABLE IN CONVERSION FURNACE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: PETROLEUM INDUSTRY -- OTHER — 4.20 MCFM

COMPANY NAME/SITE LOCATION: GETTY SYNTHETIC FUELS, INC. — CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-822
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)

DEBORAH ASHWORTH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1986
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LANDFILL METHANE GAS RECOVERY P*	4.20 MCFM	VOC	4.4100 LB/H	CARBON ADSORPTION	BACT 99.90
		HCL	3.9000 LB/H		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

ID NUMBER OH-0077

SOURCE TYPE CODE 5.16

SOURCE TYPE/SIZE: PETROLEUM INDUSTRY -- OTHER — 97650.00 LB/CHARGE

COMPANY NAME/SITE LOCATION: JENNISON-WRIGHT CORP. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-395
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/10/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TREATING CYLINDER, CREOSOTE	97650.00 LB/CHARGE				
		PM	0.0000 % OPACITY		SIP
			SEE NOTES		
				CONDENSER	95.00
		VOC	0.0000 % OPACITY		SIP
			SEE NOTES		
				CONDENSER	95.00

NOTES --------
WOOD IS TREATED WITH CREOSOTE FOR RAILROAD TIES. COMBINED PM/VOC LIMIT OF 2.06 TONS/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION: MOBIL EXPLORATION & PRODUCING, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 4481A & 4482A
DETERMINATION MADE BY MONTEREY BAY UNIFIED APCD (AGENCY)
FRED THOITS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(408)-443-1135 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM, CE NATCO	62.50 MMBTU/H	NOX	65.0000 LB/D 0.0430 LB/MMBTU	BURNER M/FLUE GAS RECIRCULATION	BACT
		CO	5.0000 LB/D		BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: PETROLEUM INDUSTRY -- OTHER 187.50 MMBTU/H

COMPANY NAME/SITE LOCATION: PETRO-LEWIS CORP. , CA KERN COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 4052135 THRU 137
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/29/85
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM, OIL FIRED, 3 *	62.50 MMBTU/H	PM	0.0280 LB/MMBTU		LAER
				WET SCRUBBER	70.00
		SUL*	0.0250 LB/MMBTU		LAER
				WET SCRUBBER	32.60
		NO2	0.1200 LB/MMBTU		LAER
				STAGED COMBUSTION BURNER & REDUCED FIRING RATE	70.60
		VOC	0.0068 LB/MMBTU		LAER
				GOOD COMBUSTION PRACTICES & BURNER DESIGN	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: PETROLEUM INDUSTRY -- OTHER — 62.50 MMBTU/H

COMPANY NAME/SITE LOCATION: PETRO-LEWIS CORP. , CA — KERN COUNTY

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 4052138
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/29/85
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, STEAM, GAS FIRED	62.50 MMBTU/H				
		PM	0.0050 LB/MMBTU	GOOD COMBUSTION PRACTICE & BURNER DESIGN	LAER
		SUL*		ZERO EMISSIONS LOW FUEL SULFUR CONTENT	LAER
		NO2	0.0300 LB/MMBTU	STAGED COMBUSTION BURNERS & REDUCED FIRING RATE	LAER 70.00
		VOC	0.0030 LB/MMBTU	GOOD COMBUSTION PRACTICE & BURNER DESIGN	LAER

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: PETROLEUM INDUSTRY -- OTHER

COMPANY NAME/SITE LOCATION: PETRO-LEWIS CORP. , CA
KERN COUNTY

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 4052134A
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/18/87
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMPRESSION, CONDEN.,& COLL. SYS		VOC	11.9100 LB/H	INCINERATION IN SCRUBBED, OIL FIRED STEAM GEN.	99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE ACRYLONITRILE PLANT

COMPANY NAME/SITE LOCATION STERLING CHEMICALS, INC. TEXAS CITY, TX GALVESTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 1272A
DETERMINATION MADE BY TEXAS ACB (AGENCY)
KAREN HORNE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/15/88
ESTIMATED DATE OF START-UP-- 1989
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLARE, PROCESS		AN	5.8000 T/YR	B/N 98.00
SCRUBBER, HOTWELL		AN	0.0700 T/YR	B/N 95.00
SCRUBBER, SUMP TANK		AN	0.0400 T/YR	B/N 95.00
SCRUBBER, ORGANIC TANK		AN	0.0100 T/YR	B/N 95.00
SCRUBBER, WASTE TREATMENT		AN	0.4100 T/YR	B/N 95.00
SCRUBBER, SLOP TANK		AN	0.0900 T/YR	B/N 95.00
SCRUBBER, WATER TREATMENT		AN	0.2400 T/YR	B/N 95.00
VENTS B &C, START-UP		AN	0.1600 T/YR	B/N
BOILER, #A, WASTE INCIN				

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		VOC	13.7000 T/YR		B/H 99.90
		NOX	343.0000 T/YR		
		CO	81.0000 T/YR		
		HCN	2.0000 T/YR		
		AN	0.0500 T/YR		
		NH3	73.6000 T/YR		
INCINERATOR DOCK		NOX	1.2000 T/YR		B/H 99.90
		AN	0.0400 T/YR		
TANK, 8		AN	5.9000 T/YR	INTERNAL FLOAT ROOF & DOUBLE SEALS	B/H
FUGITIVES		AN	6.2000 T/YR		B/H
TANK, CRUDE AN, 2		AN	0.2000 T/YR	WATER SCRUBBER	B/H 95.00

NOTES --------
AN=ACRYLONITRILE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

SOURCE TYPE/SIZE: ACETIC ACID PLANT

COMPANY NAME/SITE LOCATION: OLD MANSION, INC. — PETERSBURG, VA

DETERMINATION IS
PERMIT NO. 50362
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

CHARLES HOLMES (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/17/86
ESTIMATED DATE OF START-UP-- 1987
(804)-786-6079 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROASTER	1.00 T/H				
		ACE*	0.9000 LB/H	SEE NOTE #2	
		FOR*	0.2000 LB/H	SEE NOTE #3	
		PM	5.7000 LB/H	EXHAUST GAS RECIRCULATION	25.00
		NOX	0.1000 LB/H		
GRINDER, PEPPER	2.00 T/H				
		PM	0.1000 LB/H	BAGFILTER	96.00

NOTES --------
NOTE#1 - CONSTRUCTION OF A COFFEE, TEA, & SPICE PREPARATION & PACKAGING FACILITY. SOURCE RELOCATING FROM RICHMOND, VA TO PETERSBURG, VA. NOTE#2 - ACETIC ACID - POLLUTANT EVALUATED TO MEET STATE TOXIC REGS. NOTE#3 - FORMALDEHYDE - POLLUTANT EVALUATED TO MEET STATE TOXIC REGS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE: ACRYLIC ACID PLANT — 15000.00 MET. T/YR

COMPANY NAME/SITE LOCATION: VIRGINIA CHEMICALS, INC. — PORTSMOUTH, VA

DETERMINATION IS
PERMIT NO. 60291
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

CATHY TAYLOR (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/05/86
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, POLYACRYLIC POWER	CONFIDENTIAL				
		PM	10.3000 LB/H		
			45.4000 T/YR		
				BAGHOUSE	99.90
		VOC	4.9000 LB/H TOTAL		
			21.3000 T/YR TOTAL		
				UNCONTROLLED	
DUMP, STARCH, #25					
		PM	0.0600 LB/H		
			0.0400 T/YR		
				BAGHOUSE	99.90
TANK, ACID, #23 & 24					
		VOC	0.1300 LB/H TOTAL		
			0.6000 T/YR TOTAL		
				UNCONTROLLED	
REACTOR, #1, 2, 3, 4					
		VOC	0.0100 LB/H EA		
			0.0200 T/YR EA		
				UNCONTROLLED	
DRIER TOP, #7, 26, 29, 30					
		PM	0.0400 LB/H EA		
			1.7000 T/YR EA		
				UNCONTROLLED	
		VOC	0.3000 LB/H EA		
			1.3000 LB/H EA		
				UNCONTROLLED	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRIER BOTTOM, #8, 9, 10, 11, 27*					
		PM	0.0600 LB/H EA		
			2.7000 T/YR EA		
				UNCONTROLLED	
		VOC	1.1000 LB/H EA		
			4.9000 T/YR EA		
				UNCONTROLLED	
SIFTER/SEPERATOR, #12, 15					
		PM	0.0800 LB/H EA		
			0.4000 T/YR EA		
				BAGHOUSE	99.90
SILO, SURGE, # 16-19					
		PM	0.2000 LB/H EA		
			0.4000 T/YR EA		
				BAGHOUSE	99.90
BLENDER, #20					
		PM	0.7000 LB/H		
			0.7000 T/YR		
				BAGHOUSE	99.90
SILO, PACK-OUT, #21					
		PM	0.4000 LB/H		
			0.5000 T/YR		
				BAGHOUSE	99.90
BAGGING ROOM, #25					
		PM	5.6000 LB/H		
			6.1000 T/YR		
				BAGHOUSE	99.90
REWORK STATION, #31					
		PM	0.0500 LB/H		
			0.0200 T/YR		
				BAGHOUSE	99.90

NOTES --------
PERMIT TO MODIFY THE EXISTING POLYACRYLATE MFG PROCESS BY INCREASING THE CAPACITY FROM 10000 METRIC T/YR TO 15000 METRIC T/YR. VIRGINIA CHEMICALS WILL OFFSET 10.89 T/YR OF THE TOTAL ESTIMATED VOC EMISSIONS, 21.3 T/YR, BY VENTING VOC EMISSIONS FROM THE MONOETHYLAMINE TANK VENT, THE AMINE TANK FARM, & THE #4 AMINE VENT GAS SCRUBBER TO A FLARE FOR INCINERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: ACRYLIC ACID PLANT — 25200.00 T/YR

COMPANY NAME/SITE LOCATION: VIRGINIA CHEMICALS, INC. — PORTSMOUTH, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 60291
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

CATHY TAYLOR (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/11/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-7764 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR, #33,34	SEE NOTES	VOC	0.0100 LB/H 0.0500 T/YR, EA		
DRYER, TOP VENT #36,37	SEE NOTES	PM	0.3700 LB/H 1.6000 T/YR, EA		
		VOC	0.1800 LB/H 0.8000 T/YR, EA		
DRYER, BOTTOM VENT #38,39	SEE NOTES	PM	0.6200 LB/H 2.7000 T/YR, EA		
		VOC	0.6800 LB/H 3.0000 T/YR, EA		
SIFTER/SEPERATOR, AIR, #30,41	SEE NOTES	PM	0.0400 LB/H 0.2000 T/YR	BAGHOUSE	99.90
SILO, SURGE, #42,43	SEE NOTES	PM	0.0200 LB/H 0.1200 T/YR	BAGHOUSE	99.90
BLENDER, #44	SEE NOTES	PM	0.0400 LB/H 0.1200 T/YR	BAGHOUSE	99.90

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/20/1987

(CONTINUED) VIRGINIA CHEMICALS, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CLASSIFER, AIR, #45	SEE NOTES				
		PM	0.4300 LB/H		
			1.9000 T/YR		
				BAGHOUSE	99.90
HOPPER, SURGE, #46	SEE NOTES				
		PM	0.1200 LB/H		
			0.5000 T/YR		
				BAGHOUSE	99.90
BAGGER, #22	SEE NOTES				
		PM	0.2000 LB/H		
			2.8000 T/YR		
				BAGHOUSE	99.90
LINE THREE TOTAL	SEE NOTES				
		ACR*	1.8000 LB/H		
			7.7000 T/YR		

NOTES --------
ANNUAL PRODUCTION OF POLYACRYLATE LIMITED TO 25200 TONS. OVERALL THROUGHPUT IS 2.64 T/H

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 11/20/1987

SOURCE TYPE/SIZE CARBON BLACK

COMPANY NAME/SITE LOCATION J.M. HUBER CORP. BAYTOWN, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 16987
DETERMINATION MADE BY TEXAS ACB (AGENCY)
JAMES CROCKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/05/87
ESTIMATED DATE OF START-UP-- 1988
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR		VOC	25.0000 T/YR	INCINERATOR	BACT 98.00
		NOX	5.1000 T/YR		
		SO2	627.0000 T/YR	SCRUBBER	BACT 90.00
		PM	12.7000 T/YR		
		CO	889.0000 T/YR	INCINERATOR	BACT 98.00
		H2S	2.8000 T/YR	SCRUBBER	BACT 70.00

NOTES --------
THE CARBON REACTOR UNIT TAIL GAS IS FIRST SCRUBBED & THEN INCINERATED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: CARBON BLACK

COMPANY NAME/SITE LOCATION: MITCO CORP. CONCARB DIV. — PONCA CITY, OK

DETERMINATION IS BACT
PERMIT NO. 89-020-C (PSD)
DETERMINATION MADE BY OKLAHOMA AQS (AGENCY)

JOYCE SHEEDY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/26/89
ESTIMATED DATE OF START-UP-- 1990
(405)-271-5220 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, PELLET	23.10 MMBTU/H				
		SO2	46.9000 LB/H	FEEDSTOCK<=1.5% SULFUR EFFICIENT OPERATION	BACT
		NOX	1.0800 LB/H		
		CO	0.6000 LB/H	EFFICIENT COMBUSTION	99.98
		PM	0.0200 LB/H	EFFICIENT COMBUSTION	99.90
		VOC	0.2000 LB/H	EFFICIENT COMBUSTION	99.90
		H2S	0.0200 LB/H	EFFICIENT COMBUSTION	99.90
		CS2	0.0200 LB/H	EFFICIENT COMBUSTION	99.90
		COS	0.0200 LB/H	EFFICIENT COMBUSTION	99.90
INCINERATOR, THERMAL	92.40 MMBTU/H				
		SO2	187.6000 LB/H	FEEDSTOCK <=1.5% SULFUR EFFICIENT OPERATION	BACT
		NOX	4.3200 LB/H	COMBUSTION CONDITIONS	
		CO	2.4000 LB/H		99.98

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	0.0600 LB/H		99.90
		VOC	0.8000 LB/H		99.90
		H2S	0.0800 LB/H		99.90
		CS2	0.0800 LB/H		99.90
		COS	0.0800 LB/H		99.90

NOTES --------
BACT WAS EVALUATED FOR SO2 ONLY SINCE SO2 IS THE ONLY POLLUTANT SUBJECT TO FULL PSD REVIEW.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 12/31/1989

SOURCE TYPE/SIZE: ETHYLENE DICHLORIDE

COMPANY NAME/SITE LOCATION: OCCIDENTIAL CHEMICAL CORP. DEER PARK, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 4943A
DETERMINATION MADE BY TEXAS ACB (AGENCY)
KAREN HORNE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/14/88
ESTIMATED DATE OF START-UP-- 1988
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, STORMWATER		VOC	0.0100 T/YR		BACT
SEWER		VOC	0.0100 T/YR		BACT
DECOKE DRUM, 2		VOC	0.6000 T/YR		BACT
		CO	5.2000 T/YR		
SCRUBBER, EMERGENCY		VOC	6.5000 T/YR		BACT
		VC	0.1200 T/YR		
		HCL	1.7000 T/YR		
TANK, HCL NEUTRALIZER		HCL	0.0700 T/YR	SCRUBBER	B/H 98.00
TANK, HCL		HCL	0.0100 T/YR	SCRUBBER	B/H 98.00
LOADING, RACK HEAVY ENDS		VOC	0.9000 T/YR		B/H
FUGITIVES, VC PLANT		VOC	22.8000 T/YR		B/H
		VC	1.4000 T/YR		
		HCL	0.5000 T/YR		
		CL2	0.2400 T/YR		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FUGITIVES, CL2 TANK		CL2	0.7800 T/YR		B/H
INCINERATOR, 2		CL2	35.0000 T/YR		B/H 99.90
		VOC	0.0800 T/YR		
		NOX	8.8000 T/YR		
		PM	2.2000 T/YR		
		CO	4.2000 T/YR		
		HCL	13.2000 T/YR		
FURNACE, CRACKING		NOX	128.4000 T/YR		B/H
		CO	116.6000 T/YR		B/H

NOTES --------
CL2 = CHLORINE

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/18/1988

SOURCE TYPE/SIZE: ETHYLENE AND POLYETHYLENE

COMPANY NAME/SITE LOCATION: CHEVRON CHEMICAL CO. WEST ORANGE, TX ORANGE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 19394
DETERMINATION MADE BY TEXAS ACB (AGENCY)
DON FINE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/24/89
ESTIMATED DATE OF START-UP-- 1991
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FILTER, CATALYST ACTIVATOR		PM	0.0011 T/YR	SINTERED METAL FILTERS	NSPS 99.90
HEATER, CATALYST ACTIVATOR		PM	0.0100 T/YR		NSPS
		SO2	0.8000 T/YR		
		NOX	1.8000 T/YR		
		CO	0.4500 T/YR		
		VOC	0.0340 T/YR		
FILTER, CATALYST STORAGE		PM	0.0006 T/YR	FABRIC FILTER	NSPS 99.90
FLARE		PM	0.0110 T/YR		NSPS 99.00
		CO	77.4000 T/YR		
		NOX	0.9800 T/YR		
		VOC	39.5500 T/YR		
FUGITIVE		VOC	18.9200 T/YR	MIMP, SEE NOTE	NSPS
COOLING TOWER		VOC	2.2100 T/YR	MIMP, SEE NOTE	NSPS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

(CONTINUED) CHEVRON CHEMICAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FILTER, 3		PM	4.5600 T/YR	FABRIC	NSPS 99.90
		VOC	13.2200 T/YR		NSPS
VENT, BLEND		PM	0.0430 T/YR		NSPS
SEPERATOR, FINES		PM	0.0100 T/YR	CYCLONE	NSPS 99.94

NOTES ---------
MIMP = MONTHLY INSPECTION & MAINTENANCE PROGRAM

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: ETHYLENE AND POLYETHYLENE

COMPANY NAME/SITE LOCATION: SOLTEX POLYMER CORP. DEER PARK, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 17106
DETERMINATION MADE BY TEXAS ACB (AGENCY) SAM CROWTHER (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/25/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYOR VENT, FINISHING FACILI*	110.00 MMLB/YR				
		VOC	9.0000 T/YR	FLARE	BACT
		PM	0.4000 T/YR		BACT

NOTES --------
FINISHING FACILITY VOC EMISSIONS AS FUGITIVES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: ETHYLENE AND POLYETHYLENE — 10.00 MMLB/YR

COMPANY NAME/SITE LOCATION: WESTLAKE POLYMERS CORP. — LAKE CHARLES, LA — CALCASIEU PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-LA-554
DETERMINATION MADE BY LOUISIANA DEQ (AGENCY)
ADDISON TATUM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/23/89
ESTIMATED DATE OF START-UP-- 1991
(504)-342-0107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, PYROLYSIS, 6 EA	143.31 MMBTU/H	NOX	32.5000 LB/H 118.5000 T/YR	LOW NOX BURNER	BACT
		CO	9.9000 LB/H 36.1000 T/YR	O2 MONITOR/COMBUSTION CONTROL	BACT
BOILER, PACKAGE	148.00 MMBTU/H	NOX	26.3000 LB/H 115.3000 T/YR	LOW NOX BURNER	BACT
		CO	8.0000 LB/H 35.1000 T/YR	O2 MONITOR/COMBUSTION CONTROL	BACT
CONVERTER/REGENERATOR, ACETYLENE		CO	0.0700 LB/H 0.0100 T/YR		
DECOKING DRUM		CO	4.9000 LB/H 9.2000 T/YR		
GENERATOR, EMERGENCY	0.96 MMBTU/H	NOX	8.3000 LB/H 0.6500 T/YR		
		CO	1.8000 LB/H 0.1400 T/YR		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PUMP, FIRE WATER	2.90 MMBTU/H			
		NOX	24.9000 LB/H	
			0.6500 T/YR	
		CO	5.4000 LB/H	
			0.1400 T/YR	
FLARE	2.00 MMBTU/H			
		NOX	0.1800 LB/H	
			0.7900 T/YR	
		CO	0.0400 LB/H	
			0.1600 T/YR	
SCRUBBER, CAUSTIC				
		NOX	0.0400 LB/H	
			0.1800 T/YR	
		CO	0.4000 LB/H	
			1.8000 T/YR	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

SOURCE TYPE/SIZE: ETHYLENE OXIDE

COMPANY NAME/SITE LOCATION: STERILIZATION DYNAMICS, INC. , MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 120-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

DANITA BRANDT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/25/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STERILIZER/CONTAINMENT ROOM					
		ETHY	0.1250 MG/CU M		BACT
				GAS/SOLID REACTANT BED	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: ETHYLBENZENE/STYRENE — 1500.00 MMLB/YR

COMPANY NAME/SITE LOCATION: CHEVRON CHEMICALS, P.O. BOX 78 — ST. JAMES, LA — ST. JAMES PARISH

DETERMINATION IS BACT
PERMIT NO. 2560-00007-00
DETERMINATION MADE BY LOUISIANA DEQ (AGENCY)
CARL OSTERTHALER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/23/89
ESTIMATED DATE OF START-UP-- 1990
(504)-342-8942 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS FIRED, 3 EA	543.00 MMBTU/H	PM	0.0130 LB/MMBTU	BACT
		NOX	0.1000 LB/MMBTU LOW NOX BURNERS	BACT
		CO	0.0520 LB/MMBTU	BACT
BOILER, GAS FIRED	303.00 MMBTU/H	PM	0.0070 LB/MMBTU	BACT
		NOX	0.1100 LB/MMBTU LOW NOX BURNER	BACT
		CO	0.0540 LB/MMBTU	BACT
BOILER, GAS FIRED	370.40 MMBTU/H	PM	0.0080 LB/MMBTU	NSPS
		NOX	0.1000 LB/MMBTU LOW NOX BURNER, CEM	NSPS
		CO	0.0600 LB/MMBTU CEM O2	NSPS
HEATER, EB, GAS FIRED	199.80 MMBTU/H	PM	0.0080 LB/MMBTU	BACT
		NOX	0.1000 LB/MMBTU LOW NOX BURNER	BACT
		CO	0.0600 LB/MMBTU	BACT
SUPERHEATER, STEAM, GAS FIRED	256.00 MMBTU/H	PM	0.0080 LB/MMBTU	BACT
		NOX	0.1000 LB/MMBTU LOW NOX BURNER	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		CO	0.0600 LB/MMBTU		BACT
REGENERATOR, CATALYTIC, GAS FIR*	17.40 MMBTU/H				
		PM	0.0080 LB/MMBTU		BACT
		NOX	0.1000 LB/MMBTU		BACT
				LOW NOX BURNER	
		CO	0.0520 LB/MMBTU		BACT
FLARE, GAS FIRED	0.60 MMBTU/H				
		PM	0.0050 LB/MMBTU		BACT
		NOX	0.1000 LB/MMBTU		BACT
				LOW NOX BURNER	
		CO	0.0200 LB/MMBTU		BACT
HOTWELL	12.60 MSCFH				
		CO	0.0280 LB/MMBTU		BACT
				PACKED ADSORPTION TOWER	98.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE FLUOROCARBONS

COMPANY NAME/SITE LOCATION 3M CORDOVA, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 87 07 0077
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRISTOPHER ROMAINE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/05/88
ESTIMATED DATE OF START-UP-- 1989
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRODUCTION SYSTEM, CHEMICAL		VOC	650.0000 T/YR	CONDENSERS, -40F WORK PRACTICE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE FORMALDEHYDE

COMPANY NAME/SITE LOCATION SPURLOCK CO. , VA SUSSEX COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50391
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/28/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL PROCESS	20.00 GAL/H				
		FOR*	0.3400 LB/H		
			1.1800 T/YR		
				WET SUPPRESSION	99.99
		MET*	0.0600 LB/H		
			0.2200 T/YR		
				WET SUPPRESSION	99.99

NOTES --------
CONSTRUCTION OF A FORMALDEHYDE & UREA/FORMALDEHYDE, U/P, RESIN PLANT. PROCESS EMISSIONS ARE FROM PLANT OPERATION, WORKING LOSSES OF STORAGE TANKS, & FUGITIVE LOSSES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE MALEIC ANHYDRIDE 180.00 LB/H

COMPANY NAME/SITE LOCATION PITTSYLVANIA COUNTY , VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30242
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/06/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POLYMER MFG, DP-100/2500	180.00 LB/H				
		PM/*	0.0100 LB/H		
			0.4000 T/YR		
				PERMIT LIMITS	
		VOC	16.8000 LB/H		
			60.2000 T/YR		
				PERMIT LIMITS	
		MAL*	1.7300 LB/D		
				WET SCRUBBER	

NOTES --------
MODIFY A PRODUCTION PROCESS FOR TWO NEW POLYMERS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: MALEIC ANHYDRIDE

COMPANY NAME/SITE LOCATION: STANDARD OIL CHEMICAL CO. PORT LAVACA, TX CALHOUN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 18046
DETERMINATION MADE BY TEXAS ACB (AGENCY) SAM CRONTHER (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/14/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER, START-UP					
		VOC	0.0100 T/YR		BACT
		NOX	0.1300 T/YR		
		SO2	0.0001 T/YR		
		PM	0.0080 T/YR		
		CO	0.0200 T/YR		
REACTOR					
		VOC	26.3000 T/YR		BACT
				INCINERATOR	99.60
		NOX	219.0000 T/YR		
		SO2	19.7000 T/YR		BACT
				INCINERATOR	
		PM	4.4000 T/YR		
		CO	525.6000 T/YR		
FUGITIVES					
		VOC	0.0700 T/YR		BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE METHANOL

COMPANY NAME/SITE LOCATION DOW CORNING CORP. CARROLLTON, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C 87-059
DETERMINATION MADE BY KENTUCKY DAQ (AGENCY)
JAMES DILLS (AGENCY CONTACT PERSON)
(502)-564-3382 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/02/87
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS/OIL FIRED	175.00 MMBTU/H	PM	0.1000 LB/MMBTU, GAS FIRED	B/N
			0.1000 LB/MMBTU, OIL FIRED	
		NOX	0.2000 LB/MMBTU, GAS FIRED	B/N
			0.4000 LB/MMBTU, OIL FIRED	
		SO2	0.8000 LB/MMBTU, GAS FIRED	B/N
			0.8000 LB/MMBTU, OIL FIRED	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

ID NUMBER KY-0031A

SOURCE TYPE CODE 6.37

SOURCE TYPE/SIZE: PHARMACEUTICAL

COMPANY NAME/SITE LOCATION: AMERICAN CYANAMID CO. 1937 WEST MAIN ST — STAMFORD, CT

DETERMINATION IS BACT
PERMIT NO. 172-0048
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ERNEST BOUFFARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/02/90
ESTIMATED DATE OF START-UP-- 1983
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. GENERATION, PHARMACEUTICAL	3000.00 LB/D	VOC	33.0000 LB/D ACTIVATED CARBON ADSORPTION	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: PHARMACEUTICAL

COMPANY NAME/SITE LOCATION: ELI LILLY & CO. 1555 KENTUCKY AVE — INDIANAPOLIS, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 890072-01
DETERMINATION MADE BY INDIANAPOLIS APCD (AGENCY)
MATT MOSIER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/15/89
ESTIMATED DATE OF START-UP-- 1991
(317)-633-5493 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. MFG, INSULIN		VOC	206.7000 LB/D	LOW TEMP VENT CONDENSER	BACT 97.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1990

SOURCE TYPE/SIZE PHARMACEUTICAL

COMPANY NAME/SITE LOCATION ICN PHARMACEUTICALS , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 183967 THRU 71
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
BELINDA HAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/16/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6163 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN, DRYING, 4 EA	2.00 MMBTU/H	ROG	65.0000 LB/D 330.0000 GAL/D OF ISOPROPYL ALCOHOL CARBON ADSORBER	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: PHARMACEUTICAL

COMPANY NAME/SITE LOCATION: MERRELL DOW PHARMACEUTICALS — CINCINNATI, OH 45215

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1554
DETERMINATION MADE BY SOUTHWESTERN OHIO APCA (AGENCY)
JIM SADELFELD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRODUCTION FAC., DRY PRODUCTS, *	720.00 LB/H	PM	1.1500 LB/H	ROTOCLONES W/FABRIC FILTERS	BACT 95.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

ID NUMBER OH-0152

SOURCE TYPE CODE 6.43

SOURCE TYPE/SIZE: PHARMACEUTICAL

COMPANY NAME/SITE LOCATION: MYCKOFF CHEMICALS CO., INC. — SOUTH HAVEN, MI

DETERMINATION IS BACT
PERMIT NO. 646-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY) — DHRUMAN SHAH (AGENCY CONTACT PERSON) — (517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/06/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS EQUIP., SEE NOTES	1500.00 LB/D SOLVENT	VOC	3.0000 LB/H	CAUSTIC SCRUBBER/DEMISTER CARBON ADSORPTION SYSTEM	BACT 95.00

NOTES --------
CONTINUOUS EMISSION MONITORING SYSTEM FOR VOC AT THE OUTLET OF CARBON ADSORPTION SYSTEM IS REQUIRED. PROCESS EQUIPMENT INCLUDE S REACTOR/CONDENSERS, CENTRIFUGES, DRYERS, & WASTEWATER TREATMENT SYSTEM.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE PHENOL/ACETONE

COMPANY NAME/SITE LOCATION DOW CHEMICAL , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 147045
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
NORMAN NG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/12/86
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6129 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, STORAGE	30000.00 GAL	ACE*	1.0000 LB/D SPRAY SCRUBBER, CARBON ADSORBER	BACT 99.30

NOTES --------
TANK MUST BE VENTED TO SCRUBBER & ADSORBER.

(*) INDICATES DATUM WAS TRUNCATED FOR ''TS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: PHENOL/ACETONE

COMPANY NAME/SITE LOCATION: PMC SPECIALITIES GROUP
PRODUCTION DIVISION , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 147720
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. TAIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/27/86
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6220 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER/CRYSTALLIZER					
		VOC	40.0000 LB/D	INCINERATOR	BACT 90.00

NOTES --------
INCINERATOR ALSO COMBUST VAPORS FROM FOUR OTHER UNITS TOTALING 6000 CFM. VOC EMITTED AS METHANOL VAPOR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/02/1988

ID NUMBER CA-0201

SOURCE TYPE CODE 6.47

SOURCE TYPE/SIZE SOAP & DETERGENTS

COMPANY NAME/SITE LOCATION LONZA CORP. , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 149532
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
MILTON COHEN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/28/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6229 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR, 3		HCL	27.0000 LB/D	PACKED SCRUBBER	BACT 99.90

NOTES --------
HCL IS A BY PRODUCT OF SURFACTANT MANUFACTURING. HCL ACID STORAGE TANK VENTED TO CAUSTIC SCRUBBER. ONE EMISSION POINT OFF CAUS TIC TRAP. RECORDER & ALARM ON EMISSION POINT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SOAP & DETERGENTS

COMPANY NAME/SITE LOCATION: PROCTER & GAMBLE , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 134951
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

MILTON COHEN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/24/86
ESTIMATED DATE OF START-UP-- 1986
(818)-572-6229 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYOR	169.00 HP				
		PM	98.0000 LB/D MAX		BACT
				BAGHOUSE, CYCLONE	99.90

NOTES --------
ALL ADDITIVE CHARGE SUB-SYSTEMS MUST BE ENCLOSED & VENTED AIR POLLUTION CONTROL EQUIPMENT. MAXIMUM HOURLY PRODUCT RATE MUST BE <100000 LB/H.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SOAP & DETERGENTS

COMPANY NAME/SITE LOCATION: PROCTOR & GAMBLE , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 8671
DETERMINATION MADE BY SACRAMENTO CO. APCD (AGENCY)

A. KENNARD (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/19/87
ESTIMATED DATE OF START-UP-- 1987
(916)-366-2107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE & DRYING TONER	CONFIDENTIAL				
		PM	118.9000 LB/D	CYCLONE/SCRUBBER/ESP	BACT
		NOX	120.0000 LB/D	COMBUSTION CONTROL	BACT
		VOC	145.4000 LB/D	PACKED BED SCRUBBER	BACT 38.00

NOTES --------
CONTROL EQUIPMENT MUST BE PROPERLY MAINTAINED AT ALL TIMES. SOURCE MUST COMPLY WITH RULE 405-DUST & CONDENSED FUMES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SOAP & DETERGENTS

COMPANY NAME/SITE LOCATION: PROCTOR & GAMBLE , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 8671 & 5933
DETERMINATION MADE BY SACRAMENTO CO. APCD (AGENCY)
A. KENNARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/19/87
ESTIMATED DATE OF START-UP-- 1987
(916)-366-2107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYING TOWER	CONFIDENTIAL	PM	BAGHOUSE - EXPECTED EFF.=99.9%	99.90

NOTES --------
CONTROL EQUIPMENT MUST BE PROPERLY MAINTAINED AT ALL TIMES. SOURCE MUST COMPLY WITH RULE 405-DUST & CONDENSED FUMES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE SULFURIC ACID

COMPANY NAME/SITE LOCATION STEPAN CHEMICAL CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 150941
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
R. OLIVARES (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/20/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6232 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK, MOLTEN SULFUR	16920.00 GAL	SOX	0.0030 LB/D	CAUSTIC SCRUBBER	BACT 99.50

NOTES --------
WHEN TANK IS IN USE IT MUST BE VENTED TO APC SYSTEM. SAME CAUSTIC SCRUBBER USED IN PERMIT NUMBER 150942.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/02/1988

SOURCE TYPE/SIZE: SULFURIC ACID

COMPANY NAME/SITE LOCATION: STEPAN CHEMICAL CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 150942
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
R. OLIVARES (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/20/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6232 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GAS UNIT, SULFUR TRIOXIDE	680.00 LB/H	SO2	9.0000 LB/D	CAUSTIC SCRUBBER	BACT 99.50

NOTES --------
WHEN TANK IS IN USE IT MUST BE VENTED TO APC SYSTEM. LIMITED TO 24 H/D, 7 D/WK, 52 WK/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SULFUR RECOVERY

COMPANY NAME/SITE LOCATION: ARCO OIL & GAS CO.
HWY 274, 2 MI NORTH OF DENVER CITY , TX YOAKUM COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9649
DETERMINATION MADE BY TEXAS ACB (AGENCY)
SAM CROWTHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/04/86
ESTIMATED DATE OF START-UP-- 1988
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY FACILITY, CO2	65.50 MMSCFD				
		PM	2.1000 T/YR		BACT
		VOC	44.8000 T/YR		BACT
		NOX	53.1500 T/YR		BACT
		SO2	507.8100 T/YR		B/NA
				SRU INCINERATOR	
		CO	21.0200 T/YR		BACT

NOTES ---------
PSD PERMIT - PSD-TX-683

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

SOURCE TYPE/SIZE SULFUR RECOVERY

COMPANY NAME/SITE LOCATION BURZA INTERNATIONAL, LTD. , TX GALVESTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9755
DETERMINATION MADE BY TEXAS ACB (AGENCY)
LOUIS ROBERTS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/31/85
ESTIMATED DATE OF START-UP-- 1986
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECEIVING PIT	100000.00 LT/YR	H2S	0.1000 T/YR	SPRINKLER	BACT
COLLECTION PIT		H2S	0.1000 T/YR	WATER SCREEN	BACT
SULFUR TANK		H2S	0.2000 T/YR	WATER SCREEN	BACT
SULFUR BELT		H2S	0.4000 T/YR	WATER SCREEN	BACT
STORAGE & TRANSFER, SULFUR		PM	0.9000 T/YR	SPRINKLER	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE SULFUR RECOVERY 93.00 LT/D

COMPANY NAME/SITE LOCATION EMRON GAS PROCESSING CO. , ND MCKENZIE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY NORTH DAKOTA SHD (AGENCY)
JIM SEMERAD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/07/85
ESTIMATED DATE OF START-UP--
(701)-224-2348 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY PLANT, SULFUR	25.00 MMSCF/D	SO2	148.0000 LB/H		B/H
			96.4000 % REDUCTION AT STACK	CLAUS CBA	98.60

NOTES ---------
NATURAL GAS PROCESSING PLANT WITH AN INLET CAPACITY OF 25 MMSCFD & SULFUR RECOVERY PLANT OF 93 LTPD SULFUR. NSPS REQUIRES AN S
O2 EMISSIONS REDUCTION OF 97.9% DURING THE INITIAL PERFORMANCE TEST & A 96.4% REDUCTION THEREAFTER.
FACILITY NOT BUILT TO DATE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 04/24/1989

ID NUMBER ND-0007
SOURCE TYPE CODE 6.52

SOURCE TYPE/SIZE SULFUR RECOVERY 181.00 LT/D

COMPANY NAME/SITE LOCATION KOCH HYDROCARBON CO. , ND MCKENZIE COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 083005
DETERMINATION MADE BY NORTH DAKOTA SHD (AGENCY) GARY HELBING (AGENCY CONTACT PERSON) (701)-224-2348 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/12/86
ESTIMATED DATE OF START-UP 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECOVERY UNIT, SULFUR	51.00 MMSCF/D	SO2	275.0000 LB/H		B/H
			97.1300 % REDUCTION AT STACK	CLAUS CBA	99.20

NOTES --------
NATURAL GAS PROCESSING PLANT EXPANSION WITH AN INLET CAPACITY OF 51 MMSCFD & SULFUR RECOVERY PLANT OF 181 LTPD SULFUR. NSPS RE QUIRED AN SO2 EMISSIONS REDUCTION OF 90.37% DURING THE INITIAL PERFORMANCE TEST & A 97.13% REDUCTION THEREAFTER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE SYNFUELS/FUEL CONVERSION (NOT OIL SHALE)

COMPANY NAME/SITE LOCATION ETHYL CORP. HOUSTON, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 17342
DETERMINATION MADE BY TEXAS ACB (AGENCY)
AMBER MANN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/24/86
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR, OXIDATION		VOC	62.4000 T/YR	CATALYTIC INCINERATOR	BACT 98.00
		AR	1345.0000 T/YR		

(#) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE SYNTHETIC FIBERS 37668.00 T/YR

COMPANY NAME/SITE LOCATION ALLIED FIBERS , VA
CHESTERFIELD PLANT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 50233
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

DATE OF PERMIT ISSUANCE-- 01/15/88
ESTIMATED DATE OF START-UP-- 1988
KATHERINE MILLER (AGENCY CONTACT PERSON)
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
POLYMERIZATION VESSEL	37668.00 T/YR	PM	1.3900 LB/H 6.1000 T/YR OPERATING LIMIT		

NOTES --------
MODIFICATION OF A B-POLYMERIZATION TRAIN, REF 25-B, AT NYLON PLANT, PLASTIC & SYNTHETIC ORGANIC FIBERS. PM IS EMITTED AS CAPRO LACTAM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

SOURCE TYPE/SIZE: SYNTHETIC FIBERS — 1500.00 LB/H

COMPANY NAME/SITE LOCATION: ALLOY POLYMERS, INC. — RICHMOND, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50706
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

PAUL PITTS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/01/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EXTRUDER, SCREW, 2	1500.00 LB/H				
		PM	0.0330 LB/H 0.0200 T/YR	BAGHOUSE	99.00
		VOC	0.3800 LB/H 0.8000 T/YR	THROUGHPUT LIMITS	
		AN	0.0120 LB/H 0.0160 T/YR	THROUGHPUT LIMITS	
		ACE*	0.0025 LB/H 1.2500 EE-3 T/YR	THROUGHPUT LIMITS	
		ETH*	0.0980 LB/H 0.1300 T/YR	THROUGHPUT LIMITS	
		TOL*	0.3800 LB/H 1.2000 T/YR	THROUGHPUT LIMITS	
		STY*	0.1200 LB/H 0.1700 T/YR	THROUGHPUT LIMITS	
		CAP*	0.0330 LB/H 0.0360 T/YR	THROUGHPUT LIMITS	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		ACR*	2.5000 EE-4 LB/H 1.2500 EE-4 T/YR THROUGHPUT LIMITS	
		MET*	7.5000 EE-6 LB/H 4.0000 EE-5 T/YR THROUGHPUT LIMITS	
		N-B*	2.0000 EE-5 LB/H 2.0000 EE-6 T/YR THROUGHPUT LIMITS	
		MAL*	2.5000 EE-5 LB/H 2.5000 EE-6 T/YR THROUGHPUT LIMITS	
EXTRUDER, SCREW, 2	1500.00 LB/H	PM	0.0330 LB/H 0.0200 T/YR BAGHOUSE	99.00
		VOC	0.3800 LB/H 0.8000 T/YR THROUGHPUT LIMITS	
		AN	0.0120 LB/H 0.0160 T/YR THROUGHPUT LIMITS	
		ACE*	0.0025 LB/H 1.2500 EE-3 T/YR THROUGHPUT LIMITS	
		ETH*	0.0980 LB/H 0.1300 T/YR THROUGHPUT LIMITS	
		TOL*	0.3800 LB/H 1.2000 T/YR THROUGHPUT LIMITS	
		STY*	0.1200 LB/H 0.1700 T/YR THROUGHPUT LIMITS	
		CAP*	0.0330 LB/H 0.0360 T/YR THROUGHPUT LIMITS	
		ACR*	2.5000 EE-4 LB/H 1.2500 EE-4 T/YR THROUGHPUT LIMITS	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		MET*	7.5000 EE-6 LB/H 4.0000 EE-5 T/YR THROUGHPUT LIMITS	
		N-B*	2.0000 EE-5 LB/H 2.0000 EE-6 T/YR THROUGHPUT LIMITS	
		MAL*	2.5000 EE-5 LB/H 2.5000 EE-6 T/YR THROUGHPUT LIMITS	
EXTRUDER, SCREW, 2	1500.00 LB/H	PM	0.0010 LB/H 0.0024 T/YR BAGHOUSE	99.00
		VOC	0.0600 LB/H 0.0100 T/YR THROUGHPUT LIMITS	
		AN	2.6000 EE-4 LB/H 1.5600 EE-4 T/YR THROUGHPUT LIMITS	
		TOL*	0.0600 LB/H 0.0060 T/YR THROUGHPUT LIMITS	
		ISO*	2.0000 EE-6 LB/H 0.0025 T/YR THROUGHPUT LIMITS	
		CAP*	0.0010 LB/H 2.5000 EE-4 T/YR THROUGHPUT LIMITS	
		CAR*	1.9000 EE-5 T/YR THROUGHPUT LIMITS	
		SE	2.8000 EE-5 LB/H 2.5000 EE-5 T/YR THROUGHPUT LIMITS	
		CD	1.1000 EE-4 LB/H 0.0001 T/YR THROUGHPUT LIMITS	
SILO, 2	1818.00 CF	PM	BAGHOUSE	99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

(CONTINUED) ALLOY POLYMERS, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					

NOTES --------
PERMIT TO CONSTRUCT A POLYMER CUSTOM COMPOUNDING FACILITY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

SOURCE TYPE/SIZE: SYNTHETIC FIBERS — 968.00 T/YR

COMPANY NAME/SITE LOCATION: C.R. HUDGINS PLATING CO., INC. — LYNCHBURG, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30443
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

CHARLES HOLMES (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/05/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, SLUDGE	964.00 T/YR			
		NI	1.6000 EE-6 LB/H SEE NOTE#2 WET SCRUBBER	98.00
		SB	2.0000 EE-6 LB/H SEE NOTE#2 WET SCRUBBER	98.00
		BA	2.4000 EE-7 LB/H SEE NOTE#2 WET SCRUBBER	98.00
		CD	4.4000 EE-4 LB/H SEE NOTE#2 WET SCRUBBER	98.00
		CR	5.2000 EE-5 LB/H SEE NOTE#2 WET SCRUBBER	98.00

NOTES --------
NOTE#1 - CONSTRUCTION OF SLUDGE DRYER. NOTE#2 - NON-EXEMPT NON-CRITERIA POLLUTANTS. PERMIT REQUIRED BECAUSE SEVERAL COMPONENTS OF THE SLUDGE, NOTABLY CADMIUM, HAVE TLV LEVELS OF LESS THAN 1 MG/CUBIC METER & AS SUCH HAVE NO MINIMUM EXEMPTION LEVEL FOR PERMITTING.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE: SYNTHETIC FIBERS

COMPANY NAME/SITE LOCATION: DUPONT, SPRUANCE PLANT, RICHMOND, VA

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 50397
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
JAMES LEHAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/15/86
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPINNING, SYNTHETIC FIBER	27.10 MMLB/YR	VOC	19.3000 LB/T SOLVENT		
			170.7300 LB/H		
				SOLVENT RECOVERY SYSTEM	99.00
		DIMA	583.3000 UG/CU METER/DISPERSION MODEL		
				SOLVENT RECOVERY SYSTEM	

NOTES --------
INCREASED PRODUCTION CAPACITY BY 17% WITHOUT AN EMISSION CHANGE. PREVIOUS EMISSIONS WERE ALREADY MEETING NSPS SUBPART HHH, THIS SOURCE EXEMPT FROM NSPS. SOLVENT RECOVERY SYSTEM EFF. WAS INCREASED. VOLATILE ORGANIC COMPOUNDS ARE ALMOST TOTALLY DIMETHYL ACETAMIDE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/08/1987

SOURCE TYPE/SIZE SYNTHETIC FIBERS 11.30 T/H

COMPANY NAME/SITE LOCATION ICI AMERICAS, INC. BERMUDA HUNDRED, VA CHESTERFIELD COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50418
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
CHARLIE HOLMES (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/08/87
ESTIMATED DATE OF START-UP-- 1989
(804)-786-6079 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BUNKER, #112 VIRGIN CHIP	7.50 T/H	PM	0.0300 LB/H 0.0080 T/YR	BAGHOUSE	99.90
BUNKER, #113 VIRGIN CHIP	7.50 T/H	PM	0.0300 LB/H 0.0080 T/YR		
HEAD HOPPER, #114 VIRGIN CHIP	11.30 T/H	PM	0.4500 LB/H 0.1600 T/YR	CYCLONE	99.00
HEAD HOPPER, #115 RECLAIM CHIP	11.30 T/H	PM	0.4500 LB/H 0.1600 T/YR	CYCLONE	99.00
HEAD HOPPER, #116 MASTER BATCH *	11.30 T/H	PM	0.4500 LB/H 0.0400 T/YR	CYCLONE	99.00
EDGE CUTTER, #117 RECLAIM, 2	2.60 T/H	PM	0.0100 LB/H 0.0200 T/YR	BAGFILTER & CYCLONE, 2	99.90
BUNKER, #118 FLAKE	2.60 T/H				

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/20/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	0.0100 LB/H 0.0200 T/YR	BAGFILTER	99.90
DRYER, #119 HOPPER	5.00 T/H				
		PM	0.8200 LB/H 0.0300 T/YR	BAGFILTER	99.90
CASTING UNIT, #120,121	2.50 T/H				
		PM	0.2700 LB/H 1.0900 T/YR	CARTRIDGE FILTER, 2	35.00
STENTER, #123,124	2.50 T/H				
		PM	0.1150 LB/H 0.4500 T/YR	DISPOSABLE FILTERS	35.00
SLITTER, #125,126,129	2.50 T/H				
		PM	0.0600 LB/H 0.2300 T/YR		
VACUUM CLEANER, #127					
		PM	0.0010 LB/H 0.0040 T/YR	BAGFILTER	99.90
CLEANERS & REMOVAL, #130,131 CL*					
		PM	0.0200 LB/H 0.0800 T/YR		
STENTER, #122	2.50 T/H				
		VOC	0.1500 LB/H 0.6000 T/YR		
LAB HOOD, #128					
		VOC	0.0500 LB/H 0.1000 T/YR		
STORAGE TANK, OIL	500000.00 GAL/YR				

NOTES --------

TO CONSTRUCT A MELINEX FILM PRODUCTION LINE. NEITHER TINUVIN 328, CAS#25973-55-1, NOR TEREPHTHALIC ACID ARE LISTED IN THE ACGI H & NEITHER IS PARTICULARLY TOXIC. PM EMITTED AS POLYESTER TEREPHTHALIC RESIN.
VOC EMITTED AS TINVIN 328 & AS TEREPHTHALIC ACID & #2 DISTILLATE OIL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 11/20/1987

SOURCE TYPE/SIZE SYNTHETIC FIBERS 250.00 LB/H

COMPANY NAME/SITE LOCATION NORTH AMERICAN REISS CORP. , VA NOTTOWAY COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 30822
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/17/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MAT'L MFG, SILICONE PLASTIC & R*	250.00 LB/H	VOC	2.5000 LB/H 7.4900 T/YR	
SOLVENT	4380.00 T/YR	VOC	0.8800 LB/H 2.6370 T/YR	
		TOL*	0.2900 LB/H 0.8800 T/YR	
		TC-*	0.2900 LB/H 0.8800 T/YR	

NOTES ---------
TO CONSTRUCT A PLANT TO MFG EXTRUDED PLASTIC & SILICONE RUBBER PRODUCTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

ID NUMBER VA-0070

SOURCE TYPE CODE 6.84

SOURCE TYPE/SIZE: SYNTHETIC RUBBER/RUBBER TIRES

COMPANY NAME/SITE LOCATION: FIRESTONE TIRE & RUBBER — DECATOR, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 84060056
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
C. ROMAINE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/01/85
ESTIMATED DATE OF START-UP-- 1987
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	178.00 MMBTU/H				
		SO2	1.2000 LB/MMBTU	LOW S COAL	BACT
		NOX	0.5600 LB/MMBTU	DESIGN & OPERATION	BACT
		CO	0.2000 LB/MMBTU	DESIGN & OPERATION	BACT
		PM	0.0100 LB/MMBTU	FABRIC FILTER	NSPS

NOTES ---------
ACTUAL EMISSIONS BY TEST - PM 0.0087 LB/MMBTU, NOX 0.0395 LB/MMBTU, POTENTIAL EMISSIONS, T/YR, - PM 7.8, SO2 956, NOX 437, CO 156.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: SYNTHETIC RUBBER/RUBBER TIRES

COMPANY NAME/SITE LOCATION: FIVE BROTHERS, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 210688 THRU 9
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
R. HAMRYLEN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/01/89
ESTIMATED DATE OF START-UP-- 1989
(818)-307-1503 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BUFFER, TIRE	250.00 TIRES/D	PM	1.2500 LB/D	CYCLONE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE SYNTHETIC RUBBER/RUBBER TIRES

COMPANY NAME/SITE LOCATION FIVE BROTHERS, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 182589
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
R. HAMRYLEM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/20/89
ESTIMATED DATE OF START-UP-- 1989
(818)-307-3585 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BUFFER, TIRE	250.00 TIRES/D	PM	1.2500 LB/D	CYCLONE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

ID NUMBER CA-0544

SOURCE TYPE CODE 6.55

SOURCE TYPE/SIZE: SYNTHETIC RUBBER/RUBBER TIRES — 862000.00 TIRES/YR

COMPANY NAME/SITE LOCATION: GENERAL TIRE — MT. VERNON, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 89030044
DETERMINATION MADE BY ILLINOIS EPA (AGENCY) — C. ROMAINE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/11/89
ESTIMATED DATE OF START-UP-- 1992
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MILL, BATCH-OFF		VOC	1.7300 LB/H		BACT
MILLING/EXTRUDING		VOC	1.6400 LB/H	TEMP LESS THAN 350 F EQUIP OPERATION	BACT
ASSEMBLY MACHINES		VOC	43.6000 G/TIRE, SEE NOTE 4.8600 LB/H	EQUIP OPERATION & DESIGN	BACT
MATL. APPILC., GREEN TIRE SPRAY*		VOC	10.5000 G/TIRE, SEE NOTE 2.3000 LB/H	MATERIAL SELECTION	BACT
CURING		VOC	2.4300 LB/H		BACT
GRINDING, TREAD		VOC	5.7000 G/TIRE 1.2900 LB/H	EQUIP DESIGN & OPERATION	BACT

NOTES --------
POTENTIAL EMISSIONS OF VOC - 0.81 T/YR. FOR GREEN TIRE SPRAYING - INSIDE <= 5% VOC BY VOLUME, OUTSIDE <= 10% VOC BY VOLUME.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: SYNTHETIC RUBBER/RUBBER TIRES — 12.00 T/H

COMPANY NAME/SITE LOCATION: GOODYEAR TIRE & RUBBER CO. , VA
PITTSYLVANIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30106
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/18/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER	12.00 T/H				
		PM	1.4000 LB/H		
			5.9600 T/YR		
				BAGHOUSE	99.00
		CAR*	1.4000 LB/H		
			5.9600 T/YR		
				BAGHOUSE	99.00

NOTES --------
CONSTRUCT A BANBURY MIXER AT TIRE MANUFACTURING FACILITY. MIXER USED TO BLEND INGREDIENTS FOR RUBBER TIRES. BAGHOUSE OPACITY L
IMIT IS FIVE PERCENT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: SYNTHETIC RUBBER/RUBBER TIRES

COMPANY NAME/SITE LOCATION: YALE RUBBER MANUFACTURING CO. — SANDUSKY, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 419-87A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
PAUL SCHLEUSENER (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/28/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CLEANUP, SOIL	250.00 CFM				
		VOC	0.0260 LB/H		BACT
			0.1100 T/YR		
				REGENERABLE CARBON ADSORPTION	99.99
		VOC	5.0000 PPMVOL		BACT
				REGENERABLE CARBON ADSORPTION	99.99

NOTES --------
THIS IS PART OF A LARGER CLEANUP PROJECT FOR CONTAMINATED SOILS & GROUND WATER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE VINYL CHLORIDE/POLYVINYL CHLORIDE 1400.00 MMLB/YR

COMPANY NAME/SITE LOCATION OCCIDENTAL CHEMICAL CORP. . PASADENA, TX
HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 18384
DETERMINATION MADE BY TEXAS ACB (AGENCY) AMBA MANN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/14/88
ESTIMATED DATE OF START-UP-- 1990
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOPPER, SURGE, 2 EA		PM	0.6000 T/YR		BACT
FUGITIVE		VC	1.3000 T/YR		B/H
INCINERATOR		VC	0.1000 T/YR		B/H
				SCRUBBER	99.90
		HCL	0.0400 T/YR		
DRYER, 6 EA		VOC	79.4000 T/YR		B/H
		PM	21.5000 T/YR		
				CYCLONES	99.99
		VC	91.2000 T/YR		
REACTOR, 2 EA		VOC	0.3000 T/YR		B/H
		VC	0.3000 T/YR		
CYCLONE, 2 EA		PM	0.9000 T/YR		BACT
					99.00
BAGHOUSE, 2 EA		PM	1.6000 T/YR		BACT
					99.90

NOTES --------
HCL=HYDROGEN CHLORIDE. INCINERATOR/SCRUBBER COMBINE EFFICIENCY IS 99.9%.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 12/15/1988

SOURCE TYPE/SIZE VINYL CHLORIDE/POLYVINYL CHLORIDE 1.10 MMMLB/YR

COMPANY NAME/SITE LOCATION OCCIDENTIAL CHEMICAL CORP. GREGORY, TX
SAN PATRICIO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 19169
DETERMINATION MADE BY TEXAS ACB (AGENCY)
SAM CROWTHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/31/89
ESTIMATED DATE OF START-UP-- 1991
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, 2		CL	35.0000 T/YR	SCRUBBER	N/H 99.99
		NUX	10.6000 T/YR		
		CO	9.8000 T/YR		
		HCL	8.8000 T/YR		
		PM	8.8000 T/YR		
		SO2	0.2000 T/YR		
		VOC	0.4000 T/YR		
NEUTRALIZER, LIME		HCL	0.1000 T/YR		NSPS
FURNACE, VC		NOX	26.9000 T/YR	SCRUBBER	N/H 99.99
		CO	44.8000 T/YR		
		VOC	2.3000 T/YR		
		SO2	0.4000 T/YR		
		PM	4.4000 T/YR		
DECOKE DRUM, 2		CO	5.2000 T/YR		N/H
		VOC	0.6000 T/YR		
COOLING TOWER		VOC	5.6000 T/YR	CEM	NSPS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FUGITIVES		VOC	23.4000 T/YR	QIM, SEE NOTE	NSPS
		CL	0.3000 T/YR		
		HCL	0.3000 T/YR		
MATL UNLOADING, LIMESTONE		PM	0.1000 T/YR		NSPS

NOTES --------
2 PARALLEL INCINERATOR SCRUBBER TRAINS. TOTAL VOC DESTRUCTION EFFICIENCY IS 99.99%. QIM = QUARTERLY INSPECTION & MAINTENANCE F
OR VOC COMPONENTS AT 500 PPM LEAK DEFINITION LEVEL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: ALCOHOL FUEL PRODUCTION — 5.00 MMGAL/YR

COMPANY NAME/SITE LOCATION: ADC-II, LTD. — HAMBURG, IA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/15/85
ESTIMATED DATE OF START-UP--
(913)-551-7020 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, SS	51.06 MMBTU/H	SO2	1.1400 LB/MMBTU, DAILY AVG	LOW S SUBBITUM.	BACT
		NOX	0.6000 LB/MMBTU, 3 H AVG		BACT
DISTILLATION UNIT		VOC	20.0000 PPMV	TRE > 1.0	BACT
FERMENTATION & PREFERMENTATION		VOC	20.0000 PPMV	TRE > 1.0	BACT
STORAGE TANK, 3 EA	125000.00 GAL	VOC		CLOSED VENT CAPTURE, VAPOR RECOVERY.	BACT
MATL LOADING, PRODUCT		VOC		VAPOR BALANCE SYSTEM.	BACT
DRYER, DDGS		VOC		VENT SCRUBBER	BACT

NOTES --------
A SPREADER STOKER BOILER. DEMINIMIS RE- PM

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION: ADM — PEORIA, IL

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 87 10 0035
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRISTOPHER ROMAINE (AGENCY CONTACT PERSON)
(217)-782-2113 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/22/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, 2 TOTAL	33.90 MW				
		NOX	0.3000	LB STEAM/LB FUEL	
			42.0000	PPM AT 15% O2	
				STEAM INJECTION, DESIGN	
BURNER, SUPPLEMENTARY					
		NOX	0.1000	LB/MMBTU	
				LOW NOX BURNER	

NOTES --------
NOTE 1-BACT DETERMINATION FOR EXISTING TURBINE, OF EARLY 1970'S VINTAGE, TRIGGERED BY SALE & RELOCATION OF TURBINE FROM AN ELE CTRIC UTILITY SITE TO AN INDUSTRIAL COGENERATIN SITE. NOTE 2-UNCONTROLLED NOX RATE PREDICTED AT 65 PPM.
NOTE 3-STEAM INJECTION CAN BE DELAYED UP TO A YEAR TO ALLOW COORDINATION WITH TOTAL PLANT STEAM FACILITIES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: ALCOHOL FUEL PRODUCTION

COMPANY NAME/SITE LOCATION: MIDWEST SOLVENTS — PEKIN, IL

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 82 10 0034
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRIS ROMAINE (AGENCY CONTACT PERSON)
(217)-782-2113 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/17/83
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, FLUIDIZED BED	170.00 MMBTU/H	PM	0.0300 LB/MMBTU	FABRIC FILTER	SIP 99.00
		SO2	1.2000 LB/MMBTU 300 AV 85.0000 % REDUCTION	FLUIDIZED LIMESTONE BED	NSPS
		NOX	0.6000 LB/MMBTU	EQUIPMENT DESIGN	NSPS
		CO	SEE NOTE	EQUIPMENT DESIGN	TECH
ASH HANDLING		PM	0.0300 GR/DSCF	FABRIC FILTER	SIP 99.00
FUGITIVE EMISSIONS		PM		ROUTINE CONTROL MEASURES	

NOTES --------
NOTE - ALSO STATE ID NUMBER 179 060 AAD. PM - PROJECT NOT A MAJOR MODIFICATION FOR PM. EMISSION CONDITIONED TO BELOW SIP. CO - CO EMISSION LIMIT TO BE SET BASED UPON RESULTS OF TRIAL OPERATION.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/01/1987

SOURCE TYPE/SIZE OTHER CHEMICAL

COMPANY NAME/SITE LOCATION AKZO CHEMIE AMERICA , TX

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9692
DETERMINATION MADE BY TEXAS ACB (AGENCY)
KAREN NEUMANN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/19/85
ESTIMATED DATE OF START-UP-- 1985
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
NOURYSET 200 V		VOC	0.6600 T/YR	SCRUBBER	BACT 98.80

NOTES --------
VOC INCLUDES BUT IS NOT LIMITED TO ALLYL ALCOHOL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: AMERICAN CYANAMID CO.
SOUTH CHERRY ST.
WALLINGFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 189-0066
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/03/88
ESTIMATED DATE OF START-UP-- 1987
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRY CLEANING MACHINE	15.00 LB/H PERC	VOC	0.1300 LB/H	CARBON ADSORBER	99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE OTHER CHEMICAL

COMPANY NAME/SITE LOCATION AMVAC CHEMICAL CORP. , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 146831
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
HANH LE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/26/86
ESTIMATED DATE OF START-UP-- 1986
(818)-572-6255 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR	15000.00 LB/D	ROG	1.0000 LB/D AFTERBURNER & SCRUBBER	BACT 99.99

NOTES --------
ALL REACTOR TANKS VENTED TO AIR POLLUTION CONTROL SYSTEMS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

ID NUMBER CA-0202

SOURCE TYPE CODE 6.62

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: ARCO CHEMICAL CO. CHANNELVIEW, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 17181
DETERMINATION MADE BY TEXAS ACB (AGENCY)
SAM CROWTHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/09/86
ESTIMATED DATE OF START-UP-- 1986
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, REACTOR		VOC	0.1000 T/YR		B/N
		NOX	49.2000 T/YR		
		SO2	0.2000 T/YR		
		PM	0.4000 T/YR		
		CO	15.8000 T/YR		
TANK, 6		VOC	12.4000 T/YR		BACT
MATL LOADING, TRUCK		VOC	1.9700 T/YR	FLARE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

ID NUMBER TX-0146A

SOURCE TYPE CODE 6.62

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: B.F. GOODRICH CO., CHEMICAL DIV. LOUISVILLE, KY 40232

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 49-80
DETERMINATION MADE BY JEFFERSON COUNTY APCD (AGENCY)
MICHAEL DEBUSSCHERE (AGENCY CONTACT PERSON)
(502)-584-8151 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/15/80
ESTIMATED DATE OF START-UP-- 1981

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, SPREADER STOKER, COAL F*	192.30 MMBTU/H	PM	0.0300 LB/MMBTU	BAGHOUSE	LAER 99.00
		VE	20.0000 % OPACITY		SIP
		SO2	1.0000 LB/MMBTU	LOW SULFUR COAL	LAER
		NOX	0.6000 LB/MMBTU	BOILER DESIGN	BACT

NOTES --------
SPREADER STOKER BOILER

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: BOFORS NOBEL, INC. — MUSKEGON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 629-83
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/15/85
ESTIMATED DATE OF START-UP-- 1985
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG OF MBOCA	CONFIDENTIAL				
		VOC	0.1300 LB/H		BACT
			0.5500 T/YR		
				WET SCRUBBER & CARBON ADSORPTION	99.95
		BMC	0.0100 MG/CU METER		BACT
				BAGFILTER + DUAL PARALLEL ABSOLUTE FILTERS	99.99
		VE	0.0000 % OPACITY		

NOTES --------
MBOCA (CAS#101-14-4) = 4,4'-METHYLENE-BIS-(2 CHLOROANILINE), ALSO CALLED MOCA & CURENE 442. PERMITS INCLUDE ENTIRE PROCESS, SYNTHESIS THRUOGH PACKAGING.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: BORG WARNER — OTTOMA, IL

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 87 08 0034
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRISTOPHER ROMAINE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/05/88
ESTIMATED DATE OF START-UP-- 1988
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AFTERBURNER, 3 EA	5000.00 SCFM				
		NOX	317.0000 T/YR TOTAL	MAX THERMAL DESTRUCTION	

NOTES --------
CONTROL INSTALLED TO REDUCE VOC EMISSIONS, E.G. ACRYLONITRILE, FROM 3 EXISTING RESIN PRODUCTION LINES. ALTHOUGH REDUCING VOC, A SIGNIFICANT INCREASE IN NOX RESULTS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: BYK-CHEMIE, USA, 524 S. CHERRY ST, WALLINGFORD, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 189-0051
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
MARK PEAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/17/89
ESTIMATED DATE OF START-UP-- 1981
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. TRANSFER, MIXING TANK	2000.00 GAL/D	VOC	16.0000 LB/D	CONDENSOR	95.00
MATL. TRANSFER, MIXING TANK	6000.00 GAL/D	VOC	16.0000 LB/D	CONDENSOR	95.00

NOTES --------
TANK IS A CLOSED SYSTEM EXCEPT DURING LOADING & UNLOADING TWICE PER DAY. OPERATING CONSTRANT - 250 D/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: CHEM-TREND. INC. , MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 550-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

DHRUMAN SHAH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS VAT, FILLING/PURGING	6500.00 GAL	MET*	0.8300 LB/H	PRESSURE/CONDENSATION VAPOR RECOVERY SYSTEM	BACT 80.00
TANK, STORAGE	10000.00 GAL	MET*		ZERO EMISSIONS VAPOR BALANCE SYSTEM	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: CHEMICAL RECLAMATION SERVICES, INC. AVALON, TX ELLIS COUNTY

DETERMINATION IS
PERMIT NO. 9607
DETERMINATION MADE BY TEXAS ACB (AGENCY) KAREN HORNE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/10/87
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INSPECTION, DRUM, NON-HALOGEN P*		VOC	0.1300 T/YR		BACT
TANK, NON HALOGEN PROC, 5		VOC	0.1117 T/YR	CARBON ADSORBER	BACT
PUMP, VACUUM, NON-HALOGEN PROC,*		VOC	0.0700 T/YR	CONDENSER/CARBON ADSORBER	BACT
CLEANING, FILTER, NON-HALOGEN P*		VOC	0.0100 T/YR		BACT
FUGITIVES, NON-HALOGEN PROC		VOC	5.5000 T/YR		BACT
BOILER, 2		VOC	1.9300 T/YR		BACT
		NOX	55.2000 T/YR		
		SO2	17.6000 T/YR		
		PM	0.1300 T/YR		
		CO	37.7300 T/YR		
		HCL	1.2000 T/YR		
INSPECTION, DRUM, HALOGEN PROC		VOC	0.4000 T/YR		BACT
CLEANING, FILTER, HALOGEN PROC		VOC	0.0400 T/YR		BACT
TANK, HALOGEN PROC, 4					

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

(CONTINUED) CHEMICAL RECLAMATION SERVICES, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		VOC	0.5360 T/YR	CARBON ADSORBER	BACT
PUMP, VACUUM, HALOGEN PROC					
		VOC	0.0600 T/YR	CONDENSER/CARBON ADSORBER	BACT
FUGITIVES, HALOGEN PROC					
		VOC	3.7000 T/YR		BACT

NOTES --------
FEED MATERIAL CONTAINS TOXIC HALOGENATED CARBON COMPOUNDS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: CHEVRON CHEMICAL CO. — KENNEWICK, WA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 88-2
DETERMINATION MADE BY WASHINGTON DOE (AGENCY)
JOHN DRABEK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/01/88
ESTIMATED DATE OF START-UP-- 1988
(206)-867-7106 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT		VOC	228.0000 T/YR		BACT
SPHERODIZER	CONFIDENTIAL	VOC		AUTOMATIC PH TRIM CONTROL SYSTEM PROPER OPERATION	BACT 13.00
		PM	0.0300 GR/DSCF	BAGHOUSE	BACT 99.00
COATING AGENT	CONFIDENTIAL	PM	0.0050 GR/DSCF	BAGHOUSE	BACT 99.00
FORMULATION SECTION	CONFIDENTIAL	VOC		DOLOMITE LIME & MAGNESIUM OXIDE SCRUBBER	BACT 75.00
SCRUBBER, #1		PM	0.0490 GR/DSCF	BAGHOUSE	BACT 99.00
SCRUBBER, #2		PM	0.0130 GR/DSCF	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: CIBA-GEIGY CORP. — MCINTOSH, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 108-0003-X064
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
KEN BARRETT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/07/88
ESTIMATED DATE OF START-UP-- 1990
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLARE, RESIN PROD. UNIT	76.40 MMLB/YR				
		VOC	0.9700 LB/H		BACT
				SMOKELESS FLARE	98.00
LDRP, RESIN PROD. UNIT	76.40 MMLB/YR				
		VOC	28.0000 LB/H		BACT
				LDRP	95.00

NOTES --------
THE ABOVE RATES ARE ESTIMATED EMISSIONS ONLY. NO LIMITS WERE ESTABLISHED FOR VOC EMISSIONS FROM THE FLARE & LEAK DETECTION & REPAIR PROGRAM, LDRP.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: CIBA-GEIGY CORP. MCINTOSH, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 108-0003-X065
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
KEN BARRETT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/07/88
ESTIMATED DATE OF START-UP-- 1990
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FLARE, ADDITIVES PROD. UNIT	9.11 MMLB/YR	VOC	0.8500 LB/H	SMOKELESS FLARE	BACT 98.00
LDRP, ADDITIVE PROD. UNIT	9.11 MMLB/YR	VOC	16.5200 LB/H	LDRP	BACT 95.00

NOTES ---------
THE ABOVE RATES ARE ESTIMATED EMISSIONS ONLY. NO LIMITS WERE ESTABLISHED FOR VOC EMISSIONS FROM THE FLARE & LEAK DETECTION & REPAIR PROGRAM, LDRP.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: CROSSFIELD PRODUCTS CORP. , CA

DETERMINATION IS
PERMIT NO. 138283,145774,210174
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

R. HAMRYLEN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(818)-307-3503 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
PACKAGING MACHINES	33.00 T/D	PM	1.6200 LB/D TOTAL

NOTES --------
ABOVE FIGURES ARE BASED ON ESTIMATED EMISSIONS FROM APPROXIMATE EMISSION FACTORS. CONTROL EQUIPMENT IS APC SYSTEM, PERMIT 0210 174.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: DOW CHEMICAL — MIDLAND, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 707-81A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
CHRISTOPHER STOCK (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/01/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS EQUIPMENT, SEE NOTES	140000.00 GAL	VOC	NO EMISSIONS, SEE NOTES 90 PSIG PRESSURE RELEASE VALVE VAPOR RETURN LINES	BACT 100.00

NOTES --------
0.1 LB VOC EMISSION FOR EACH LIQUID TRANSFER EQUIPMENT, HOSE, DISCONNECTION. PROCESS EQUIPMENT INCLUDES STORAGE TANK & LIQUID TRANSFER EQUIPMENT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: DOW CHEMICAL — MIDLAND, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 662-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
PAUL SCHLEUSENER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/09/87
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG, STYRENE/BUTADINE/LATEX	380.00 T/YR, MIN	VOC	1.3000 LB/H 0.1900 T/YR AFTERBURNER	BACT 99.90

NOTES --------
PROCESS ALSO INCLUDES PRESSURE TANKS, PRESSURE/VACUUM RELIEF VALVES, VAPOR BALANCE, & STYRENE, SCRUBBING LIQUID, SCRUBBERS. CE
RTAIN OPERATIONS ARE CONTROLLED BY A PRIMARY AFTERBURNER, 99% ON CCL4, 99.9% ON OTHER VOC'S, WITH A
BACKUP AFTERBURNER, 99% ON CCL4 & 99.5% ON OTHER VOC'S.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/01/1990

ID NUMBER MI-0067A

SOURCE TYPE CODE 6.62

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: DOW CHEMICAL — MIDLAND, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 526-81A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
PAUL SCHLEUSENER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/20/87
ESTIMATED DATE OF START-UP-- 1987
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE/HANDLING	1.00 MMGAL			
		VOC	0.0370 LB/H	BACT
			0.1600 T/YR	
			REFRIGERATION	68.00

NOTES --------
EFFICIENCY BASED ON VAPOR PRESSURES AT 40 DEGREE F, DESIGN TEMPERATURE, & 70 DEGREE F. EMISSION LIMITS INCLUDE FILLING LOSSES & THOSE DUE TO AIR PURGE NEEDED TO ACTIVATE AN INHIBITOR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: DOW CHEMICAL — MIDLAND, MI

DETERMINATION IS BACT
PERMIT NO. 520-87B
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)

DATE OF PERMIT ISSUANCE-- 03/01/88
ESTIMATED DATE OF START-UP-- 1988

PAUL SCHLEUSENER (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS EQUIPMENT					
		VOC	3.4000 LB/H 0.7200 T/YR		BACT
			VARIOUS, SEE NOTES		99.00

NOTES --------
CONTROL EQUIPMENT INCLUDES VAPOR BALANCE, DEMISTER, & INCINERATOR WITH HEAT RECOVERY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: DOW CHEMICAL — MIDLAND, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 643-81A
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
PAUL SCHLEUSENER (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/23/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL HANDLING, SEE NOTES	CONFIDENTIAL	VOC	2.7700 LB/H 1.5000 T/YR VARIOUS, SEE NOTES		BACT

NOTES --------
CONTROL EQUIPMENT INCLUDES CHILLED TOLUENE SCRUBBER AT -16 DEGREE C TOLUENE INLET, VAPOR BALANCE, PRESSURE TANKS, RECORD OF TH ROUGHPUT. VOC HANDLING INCLUDES STORAGE, SHIPPING, HANDLING, & TRANSFER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: DOW CHEMICAL CO. FREEPORT, TX BRAZORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9636
DETERMINATION MADE BY TEXAS ACB (AGENCY)
KAREN HORNE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/19/85
ESTIMATED DATE OF START-UP-- 1986
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, RECIEVING PIT AERATION		PM	2.0000 T/YR	FABRIC FILTER	BACT
		CO	23.8000 T/YR	FLARE	BACT
		COS	0.2000 T/YR		BACT
		CS2	0.0800 T/YR		BACT
		H2S	1.4500 T/YR		BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: DOW CHEMICAL CO. — LA PORTE, TX — HARRIS COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 16854
DETERMINATION MADE BY TEXAS ACB (AGENCY) — SAM CROWTHER (AGENCY CONTACT PERSON) — (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/28/86
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR		VOC	0.8000 T/YR		BACT

NOTES --------
A CLOSED LOOP REACTOR. A COMPREHENSIVE LEAK INSPECTION & MAINTENANCE PROGRAM TO REDUCE VOC FUGITIVES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

SOURCE TYPE/SIZE OTHER CHEMICAL

COMPANY NAME/SITE LOCATION DOW CHEMICAL U.S.A. FREEPORT, TX BRAZORIA COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 17027
DETERMINATION MADE BY TEXAS ACB (AGENCY) SAM CROWTHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/11/86
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR		VOC	3.0800 T/YR	SCRUBBER	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

SOURCE TYPE/SIZE OTHER CHEMICAL

COMPANY NAME/SITE LOCATION DOW CORNING MIDLAND, MI

DETERMINATION IS BACT
PERMIT NO. 713-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
CHRIS STOCK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/06/89
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR/DISTILLATION COLUMNS	30.00 GAL/H				
		VOC	0.0100 LB/H	CONDENSER/SCRUBBER	99.90
		HCL	0.0300 LB/H	CONDENSER/SCRUBBER	99.90

NOTES --------
CONDENSER TEMPERATURE -20F TO -105F.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: E.I. DUPONT DE NEMOURS & CO., INC. PASS CHRISTIAN, MS 39751

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 1020-00115
DETERMINATION MADE BY MISSISSIPPI DEQ, BPC (AGENCY)
DANNY JACKSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/28/89
ESTIMATED DATE OF START-UP-- 1990
(601)-961-5171 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, GAS FIRED	22.00 MMBTU/H	PM	2.0000 LB/H	BAGHOUSES & FILTERS	BACT
		PM10	2.0000 LB/H	BAGHOUSES & FILTERS	
		SO2	0.0130 LB/H	WET SCRUBBER	SIP 98.00
		NOX	4.4000 LB/H	LOW NOX BURNERS, LEA, O2 TRIM CONTROL	BACT 62.00
		CO	1.0000 LB/H	CHANGING PROCESS COND	NAAQ
		VOC	0.1720 LB/H	NAT GAS FIRING ONLY	SIP
		VE	40.0000 % OPACITY, MAX		SIP
FUME DISPOSAL SYSTEM		PM	1.0000 LB/H	BAGHOUSES & FILTERS	BACT
		PM10	1.0000 LB/H	BAGHOUSES & FILTERS	BACT
		SO2	6.1000 LB/H	WET SCRUBBER	SIP 98.00
		CO	9.4030 LB/H, SEE NOTE	CHANGING PROCESS CONDITIONS	NAAQ
		TRS	16.4400 LB/H, SEE NOTE	CHANGING PROCESS CONDITIONS	NAAQ

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		HCL	2.8000 LB/H	WET SCRUBBER	SIP
		CL2	0.5000 LB/H	WET SCRUBBER	SIP
		TIC*	0.5000 LB/H	WET SCRUBBER	SIP
		VE	40.0000 % OPACITY, MAX		SIP
DRYER, GAS FIRED	48.00 MMBTU/H				
		PM	7.1000 LB/H	BAGHOUSES & FILTERS	BACT
		PM10	7.1000 LB/H	BAGHOUSES & FILTERS	BACT
		SO2	0.0280 LB/H	WET SCRUBBER	SIP 98.00
		NOX	9.6000 LB/H	LOW NOX BURNERS, LEA, O2 TRIM CONTROLS	BACT 62.00
		CO	2.2000 LB/H	CHANGING PROCESS CONDITIONS	NAAQ
		VOC	0.3800 LB/H	NAT GAS FIRING ONLY	SIP
		VE	40.0000 % OPACITY, MAX		SIP
VAPORIZER, TICL4	24.00 MMBTU/H				
		PM	1.0000 LB/H	BAGHOUSES & FILTERS	BACT
		PM10	1.0000 LB/H	BAGHOUSES & FILTERS	BACT
		SO2	0.0140 LB/H	WET SCRUBBER	SIP 98.00
		NOX	48.0000 LB/H	LOW NOX BURNERS, LEA, O2 TRIM CONTROL	BACT 62.00
		CO	0.8000 LB/H	CHANGING PROCESS CONDITIONS	NAAQ
		VOC	0.1900 LB/H	NAT GAS FIRING ONLY	SIP
		VE	40.0000 % OPACITY, MAX		SIP
PREHEATER, O2	11.50 MMBTU/H				
		PM	1.0000 LB/H	BAGHOUSES & FILTERS	BACT
		PM10	1.0000 LB/H	BAGHOUSES & FILTERS	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		SO2	0.0070 LB/H	WET SCRUBBER	SIP 98.00
		NOX	2.3000 LB/H	LOW NOX BURNERS, LEA, O2 TRIM CONTROL	BACT 62.00
		CO	0.4000 LB/H	CHANGING PROCESS CONDITIONS	NAAQ
		VOC	0.0900 LB/H	NAT GAS FIRING ONLY	SIP
		VE	40.0000 % OPACITY, MAX		SIP
SCRUBBER, VACUUM		HCL	1.0000 LB/H	WET SCRUBBER	SIP
		CL2	0.5000 LB/H	WET SCRUBBER	SIP
		TIC*	1.0000 LB/H	WET SCRUBBER	SIP
BOILER, GAS FIRED	231.00 MMBTU/H	PM	0.2000 LB/H	BAGHOUSES & FILTERS	BACT
		PM10	0.2000 LB/H	BAGHOUSES & FILTERS	BACT
		SO2	0.1400 LB/H	WET SCRUBBER	SIP 98.00
		NOX	27.7200 LB/H	LOW NOX BURNERS, LEA, O2 TRIM CONTROLS	BACT 62.00
		CO	15.0000 LB/H	CHANGING PROCESS CONDITIONS	SIP
		VOC	1.8000 LB/H	NAT GAS FIRING ONLY	SIP
		VE	20.0000 % OPACITY, MAX		NSPS
VENT, BAGFILTER, 8		PM	0.8000 LB/H	BAGHOUSES & FILTERS	BACT
		PM10	0.8000 LB/H	BAGHOUSES & FILTERS	BACT
		VE	40.0000 % OPACITY, MAX		SIP
FILTER, BAGHOUSE, 3		PM	3.0000 LB/H	BAGHOUSES & FILTERS	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

(CONTINUED) E.I. DUPONT DE NEMOURS & CO., INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM10	3.0000 LB/H	BAGHOUSE & FILTERS	BACT
		VE	40.0000 % OPACITY, MAX		SIP
FUGITIVES		HCL	0.2400 LB/H	WET SCRUBBER	SIP
		CL2	0.0800 LB/H	WET SCRUBBER	SIP
		TIC*	0.0800 LB/H	WET SCRUBBER	SIP
VENT, PURIF.		HCL	2.9000 LB/H	WET SCRUBBER	SIP
		TIC*	1.3000 LB/H	WET SCRUBBER	SIP

NOTES --------
CO & TRS EMISSIONS ON FUME DISPOSAL SYSTEM ARE THE TOTAL ALLOWABLE RATE FOR THE ENTIRE SYSTEM, 2 LINES. TICL4 EQUALS TITANIUM TETRACHLORIDE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE OTHER CHEMICAL

COMPANY NAME/SITE LOCATION ETHLY CORP. PASADENA, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18114
DETERMINATION MADE BY TEXAS ACB (AGENCY)
AMBA MANN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/23/87
ESTIMATED DATE OF START-UP-- 1988
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRUM		CO	2.5000 T/YR		BACT
REACTOR		VOC	0.0060 T/YR	SCRUBBER	BACT
		MA	0.0053 T/YR		
TANK, 9		VOC	0.0741 T/YR		BACT
LOAD SPOT		VOC	0.0120 T/YR		BACT
FUGITIVE		VOC	1.1560 T/YR	MONITOR/MAINTENANCE PROGRAM	BACT

NOTES --------
MA=MALEIC ANHYDRIDE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: ETHYL CORP.
1000 N. SOUTH ST.
HOUSTON, TX
HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9762
DETERMINATION MADE BY TEXAS ACB (AGENCY)
J. RANDALL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/06/85
ESTIMATED DATE OF START-UP-- 1986
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, REVERB		PM	6.2000 T/YR	STEAM HYDRO SCRUBBER	BACT 98.00
		NOX	0.6000 T/YR		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE OTHER CHEMICAL

COMPANY NAME/SITE LOCATION EXXON CHEMICAL AMERICAS , TX

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 9674
DETERMINATION MADE BY TEXAS ACB (AGENCY)
STUART KEIL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/30/85
ESTIMATED DATE OF START-UP-- 1985
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FUGITIVES		VOC	24.5000 T/YR NOTE 1		LAER
LOADING		VOC	10.2000 T/YR FLARE		BACT
STORAGE		VOC	3.8000 T/YR NOTE 2		BACT

NOTES --------
NOTE 1 - MONITORING & MAINTENANCE. NOTE 2 - INTERNAL FLOATING ROOF TANK

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: EXXON CHEMICAL AMERICAS , TX

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18290
DETERMINATION MADE BY TEXAS ACB (AGENCY) AMBA MANN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/04/88
ESTIMATED DATE OF START-UP-- 1989
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EXTRUDER	CONFIDENTIAL				
		VOC	4.5000 T/YR		B/N
		PM	8.9000 T/YR	BAG FILTER, CYCLONE	
COOLING TOWER, 3					
		VOC	0.7000 T/YR		B/N
DRUM VENT					
		VOC	5.0000 T/YR		B/N
FLARE					
		VOC	16.2000 T/YR		BACT 98.00
FUGITIVE					
		VOC	9.8000 T/YR		BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: HERCULES INC. — LA PORTE, TX — HARRIS COUNTY

DETERMINATION IS
PERMIT NO. 17935
DETERMINATION MADE BY TEXAS ACB (AGENCY)

AMBA MANN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/11/87
ESTIMATED DATE OF START-UP-- 1988
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER		VOC	0.0040 T/YR	CARBON ADSORBERS	BACT
MATL PREP., SOLUTION		VOC	0.0300 T/YR	CARBON ADSORBERS	BACT
MATL STORAGE, SOLUTION		VOC	0.0220 T/YR	CARBON ADSORBERS	BACT
MATL SHIPPING, PRODUCT		VOC	0.0070 T/YR	CARBON ADSORBERS	BACT
NEUTRALIZER		VOC	0.0800 T/YR	CARBON ADSORBERS	BACT
STABILIZER MAKE-UP		VOC	0.0020 T/YR	CARBON ADSORBERS	BACT
FUGITIVE EMIS		VOC	0.0500 T/YR	MONITORING & MAINTENANCE PROGRAM	BACT

NOTES --------
GRANULAR ACTIVATED CARBON ADSORBERS ARE USED FOR THE REMOVAL OF VOC.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: HILTON DAVIS CO. 2235 LANGDON FARM RD. CINCINNATI, OH 45237

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 05-2505
DETERMINATION MADE BY SOUTHWESTERN OHIO APCA (AGENCY)
FRANK STOY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/22/87
ESTIMATED DATE OF START-UP-- 1988
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
WATER SYSTEM, WASTEWATER TANK	4.50 MMGAL/D	VOC	17.8000 T/YR	THERMAL INCINERATOR COVERS	BACT 95.00

NOTES --------
PERMITTED AS WASTEWATER TREATMENT SYSTEM. TOTAL SURFACE AREA IS 5292 SQUARE FEET.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: KERR-MCGEE CHEMICAL CORP. TRONA, CA

SAN BERNARDINO COUNTY

DETERMINATION IS
PERMIT NO. NSR 4-4-1,SE 86-04
DETERMINATION MADE BY EPA REGION IX (AGENCY)

SHIRLEY RIVERA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/23/87
ESTIMATED DATE OF START-UP--
(415)-974-7043 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFB	96.00 MM				
		CO	280.0000 LB/H		BACT
			316.0000 PPMVD AT 3% O2		
				COMBUSTION CONTROL, 22-25% XS AIR	
		NOX		SEE NOTES	UNRG
				THERMAL DENOX	96.40
				STAGED COMBUSTION, FLUE GAS RECIRCULATION	
		SO2		SEE NOTES	UNRG
				LIMESTONE INJ AS 4.5 TO 1, CA-S	90.00
		PM		SEE NOTES	UNRG
				BAGHOUSE	99.90

NOTES --------
NOX, SO2, PM ARE NOT SUBJECT TO PSD REVIEW & THEREFORE UNREGULATED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: LOMAC, INC. — MUSKEGON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 854-87
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

GREGORY EDWARDS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/22/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG PROCESS	CONFIDENTIAL				
		P-T*	0.0260 MG/CUBIC METER		BACT
				SCRUBBERS & CARBON ADS	99.00
		2 C*	1.4000 MG/CUBIC METER		BACT
				SCRUBBERS & CARBON ADS	99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: M & T CHEMICAL — AXIS, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-5017-X021
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
KENNETH BARRETT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/16/88
ESTIMATED DATE OF START-UP-- 1989
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, NO. 2	30.00 MMLB/YR				
		VOC	3.6600 LB/H		BACT
		PM	5.9400 LB/H		BACT
				BAGHOUSES	99.90

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: M & T CHEMICAL — AXIS, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-5017-X023
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
KENNETH BARRETT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/18/88
ESTIMATED DATE OF START-UP-- 1989
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER/CONVEYOR/MILL, LATEX POLY*	21.00 MMLB/YR				
		PM	4.4600 LB/H		BACT
				CYCLONE/BAGHOUSE	99.00
		VOC	2.4800 LB/H		BACT
				LEAK DETECTION & REPAIR PROGRAM	90.00
VENTILATION SYSTEM					
		PM	0.1800 LB/H		BACT
				BAGHOUSE	99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE OTHER CHEMICAL 170.00 LB/H

COMPANY NAME/SITE LOCATION MARTIN PROCESSING, INC. , VA
HENRY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30294
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/07/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER LAMINATOR	170.00 LB/H				
		VOC	16.0000 LB/H 39.0000 T/YR OPERATING LIMIT		
		MC *	6.9000 LB/H 15.4800 T/YR OPERATING LIMIT		

NOTES --------
CONSTRUCT A NEW COATER LAMINATOR. ANNUAL PRODUCTION OF COATED POLYESTER FILM NOT TO EXCEED 399 TONS. OPERATION LIMITED TO 4800 HOURS PER YEAR. METHYL CELLOSOLVE ACETATE IS A NON-CRITERIA POLLUTANT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: MINERAL RESEARCH & DEVELOPMENT CORP. FREEPORT, TX BRAZORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 17476
DETERMINATION MADE BY TEXAS ACB (AGENCY)
KAREN HORNE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/17/87
ESTIMATED DATE OF START-UP-- 1988
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR		NOX	8.6000 T/YR	INCINERATOR	BACT
		N2O	0.0100 T/YR		
		CO	2.1000 T/YR		

NOTES --------
THE REACTION OFF GAS CONSISTS OF N2O, NO, & NO2 & ENTRAINED NITRIC ACID IS FIRST WATER SCRUBBED & ROUTED TO A VORTEX INCINERTA
OR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: MONSANTO FIBERS & INTERMEDIATES CO. ALVIN, TX BRAZORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9515
DETERMINATION MADE BY TEXAS ACB (AGENCY)
KAREN HORNE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/13/85
ESTIMATED DATE OF START-UP-- 1986
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FUGITIVES, PROCESS		VOC	12.0000 T/YR, SEE NOTE	BACT
PROCESS VESSELS		VOC	28.0000 T/YR VAPOR CONDENSER	BACT 95.00
PROCESS VESSELS		VOC	1.9000 T/YR VAPOR CONDENSER	BACT 95.00

NOTES --------
METHYLENE CHLORIDE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: PERSTORP POLYOLS — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-479
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — DALE KRYGIELSKI (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/24/88
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
IMP & FORMATE	CONFIDENTIAL				
		VOC	0.5000 LB/H	CATALYTIC INCINERATOR LEAK DETECTION PROGRAM	B/N 98.00
BAGGING, FORMATE	CONFIDENTIAL				
		PM	0.2400 LB/H	WET SCRUBBER	BACT 98.00
TANK, FORMIC ACID	CONFIDENTIAL				
		ACID	0.1500 T/YR	SUB. FILLING	NSPS
TANK, SODIUM HYDR.	CONFIDENTIAL				
		NONE			BACT
TANK, BUTYRALDEHYDE	CONFIDENTIAL				
		B-A*		NIL SUB FILL/VAPOR BALANCE	NSPS
TANK, FORMALDEHYDE	CONFIDENTIAL				
		FOR*		INCLUDED W/PROCESS SUB FILL/VENT TO INCINERATOR	BACT 98.00
TANK, CONDENSATION	CONFIDENTIAL				
		VOC		INCLUDED W/PROCESS CATALYTIC INCINERATOR SUB FILL	NSPS 98.00
TANK, WATER/FORMALDEHYDE	CONFIDENTIAL				
		VOC		INCLUDED W/PROCESS CATALYTIC INCINERATOR SUB FILL	NSPS 98.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

(CONTINUED) PERSTORP POLYOLS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, SODIUM HYDROXIDE	CONFIDENTIAL	NONE			BACT
TANK, BUTYRALDEHYDE	CONFIDENTIAL	VOC	NIL	SUB FILL/PRESSURIZED TANK	BACT
TANK, IMP, 2	CONFIDENTIAL	VOC	NIL	GLYCERINE SEAL	NSPS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: PERSTORP POLYOLS — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-487
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/01/89
ESTIMATED DATE OF START-UP-- 1991
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS, FORMALDEHYDE	CONFIDENTIAL	VOC	5.9000 LB/H	CATYLIC INCINERATOR LEAK DETECTION PROGRAM	NSPS 98.00
		CO	5.0000 LB/H	CATYLIC INCINERATOR	BACT 98.00
TANK, METHANOL, 2	CONFIDENTIAL	VOC	1.0000 T/YR EA	INTERNAL FLOAT/2 SEALS	NSPS
TANK, FORMALDEHYDE, 3	CONFIDENTIAL	VOC	NIL	SUB FILL/VAPOR BALANCE	NSPS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE OTHER CHEMICAL 0.75 T/H

COMPANY NAME/SITE LOCATION REYNOLDS METAL CO. CHESTERFIELD, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 50962
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/17/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BRUSH & SPRAY OPERATION	0.75 T/H	ALUM	2.9000 LB/H	CYCLONE	70.00

NOTES --------
PERMIT TO INSTALL AN EXPERIMENTAL WIRE BRUSH & ALUMINUM SPRAY PROCESS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: OTHER CHEMICAL — 535.00 MMLB/YR

COMPANY NAME/SITE LOCATION: SHELL CHEMICAL CO. — GEISMAR, LA — ASCENSION PARISH

DETERMINATION IS LAER FOR A MODIFIED SOURCE.
PERMIT NO. 0108-00010-05
DETERMINATION MADE BY LOUISIANA AQD (AGENCY)
KAREN PESSON (AGENCY CONTACT PERSON)
(504)-342-1618 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/06/87
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS EMISSIONS	535.00 MMLB/YR	VOC	12.2300 LB/H	MONITORING NSPS SUBPT VV	L/N
TANK	1.09 MMGAL	VOC	0.2600 LB/H	INTERNAL FLOAT ROOF	L/S

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: TEEPAK — DANVILLE, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 89040016
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRIS ROMAINE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/11/89
ESTIMATED DATE OF START-UP-- 1990
(217)-782-2115 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS MACHINE, #7A					
		CS2	55.0000 LB/H	USE OF CONVENTIAL VISCOSE CHEMICAL PROCESS M/O CONTROL EQUIP.	
		VOC	1.0000 LB/H, MAX.		

NOTES --------
MACHINE IS EQUIPED WITH AIR POLLUTION CONTROL EQUIPMENT FOR H2S. USE OF AN AFTERBURNER FOR CS2 CONSIDERED FEASIBLE BUT REJECTE D BASED ON EXCESSIVE ECONOMIC IMPACTS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: TEXACO REFINING & MARKETING, INC. PORT ARTHUR, TX JEFFERSON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18319
DETERMINATION MADE BY TEXAS ACB (AGENCY)
KAREN HORNE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/06/88
ESTIMATED DATE OF START-UP-- 1989
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, FRESH H2SO4, 2		H2S*	0.0800 T/YR		B/N
TANK, SPENT H2SO4, 2		VOC	0.2000 T/YR		B/N
		H2S*	0.0800 T/YR		
TANK, CAUSTIC		VOC	0.0100 T/YR		B/N
FUGITIVES		VOC	69.3000 T/YR		B/N

NOTES --------
H2SO4 = SULFURIC ACID. ALL WASTE GAS STREAMS CONTAINING H2SO4 ARE ROUTED TO A CAUSTIC SCRUBBER WITH 99% ACID REMOVAL EFFICIENCY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: TEXAS EASTMAN CO. LONGVIEW, TX HARRISON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 18104
DETERMINATION MADE BY TEXAS ACB (AGENCY) KAREN HORNE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/26/87
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OXIDIZER, 3					
		VOC	4.8000 T/YR		BACT
				SCRUBBER	90.00
		ACID	2.0000 T/YR		
PELLETIZER, 2					
		VOC	2.0000 T/YR		BACT
				BAG FILTER	
		PM	0.6000 T/YR		
BIN, STORAGE, 2					
		PM	0.6000 T/YR		BACT
				BAG FILTER	
VACUUM SYSTEM					
		VOC	1.0000 T/YR		BACT
				VENT CONDENSER	90.00
SURGETANK, MAX, 7					
		VOC	3.2000 T/YR		BACT
COMPRESSOR	40.00 HP				
		VOC	0.8000 T/YR		BACT
		NOX	18.8000 T/YR		
		SO2	2.3000 T/YR		
MATL LOADING					
		PM	5.4000 T/YR		BACT
				BAG HOUSE	
TANK, KNOCK OUT					

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

(CONTINUED) TEXAS EASTMAN CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		VOC	0.1000 T/YR		BACT
FUGITIVE					
		VOC	9.3000 T/YR		BACT
		PM	0.6000 T/YR		

NOTES --------
ACIDS ARE FORMIC & ACETIC ACIDS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL

COMPANY NAME/SITE LOCATION: UNION CARBIDE CORP. — TEXAS CITY, TX — GALVESTON COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 18369
DETERMINATION MADE BY TEXAS ACB (AGENCY)
KAREN HORNE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/11/88
ESTIMATED DATE OF START-UP-- 1989
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ADSORBER, CARBON, 2 EA	CONFIDENTIAL	VOC	50.0000 T/YR		BACT 98.00
TANK, ACETIC ACID		VOC	0.1000 T/YR		BACT
SCRUBBER, CAUSTIC		VOC	0.3000 T/YR		BACT 99.90
FLARE		VOC	3.4000 T/YR		BACT 98.00
BAGHOUSE		PM	0.0100 T/YR		BACT 99.00
FILTER, SOCK		PM	0.0100 T/YR		BACT 99.00
FUGITIVES		VOC	443.0000 T/YR		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

SOURCE TYPE/SIZE: OTHER CHEMICAL — 25000.00 T/YR

COMPANY NAME/SITE LOCATION: M.R. GRACE & CO. — CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1051
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
FRANK STOY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/23/86
ESTIMATED DATE OF START-UP-- 1986
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, FLASH	1.00 T/H	PM	2.0000 LB/T	FABRIC FILTER, SPRAY CHAMBER	BACT 97.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987